

*Dept of Education - Edwards 300*

Illinois State University  
**BULLETIN** 1969  
1970  
GENERAL UNDERGRADUATE CATALOG





## Campus Map ILLINOIS STATE UNIVERSITY

- |   |                           |   |
|---|---------------------------|---|
| 1. Site of South Mall<br>Art Building           | 20. Security and Traffic  | 41. Hayden Auditorium                     |
| 2. Centennial West                              | 21. Heating Plant         | 42. Turner Hall                           |
| 3. Centennial East                              | 22. Edwards Hall Annex    | 43. Site of General Services<br>Building  |
| 3. Westhoff Theater                             | 23. Edwards Hall          | 44. Eyestone School Museum                |
| 4. Milner Library                               | 23. Capen Auditorium      | 45. Wilkins Hall                          |
| 5. University Union                             | 24. Cook Hall             | 46. Linkins Center                        |
| 6. Hovey Hall (Administration)                  | 25. Site of DeGarmo Hall  | 47. Wright Hall                           |
| 7. Stevenson Hall                               | 26. Mail Service          | 48. Haynie Hall                           |
| 8. Watterson Towers                             | 27. Fell Hall             | 49. Horton Physical Education<br>Building |
| 9. Educational Administration                   | 28. Rambo Home Management | 50. Hancock Stadium                       |
| 10. Vrooman Center                              | 29. McCormick Hall        | 51. Judging Pavilion                      |
| 11. Hewett Hall                                 | 30. Atkin Hall            | 52. Machinery Hall                        |
| 12. Manchester Hall                             | 31. Colby Hall            | 53. Hudelson Farm Museum                  |
| 13. Central School                              | 32. Feeney Center         | 54. University High School                |
| 14. Personnel Office                            | 33. Whitten Hall          | 55. Green Food Service<br>Building        |
| 15. Site of Administrative<br>Services Building | 34. Hamilton Hall         | 56. Harris Physical Plant                 |
| 16. Moulton Hall                                | 35. Walker Hall           | 57. Cardinal Court                        |
| 17. Felmley Hall of Science                     | 36. Dunn Hall             | 58. University Golf Course                |
| 18. Site of New Construction                    | 37. Borton Hall           | 59. University Farm                       |
| 19. Schroeder Hall                              | 38. Fairchild Hall        |   |
|   | 39. Cooper Health Service |   |
|   | 40. Metcalf School        |   |



# Illinois State University

# BULLETIN<sup>1969</sup><sub>1970</sub>



**ONE HUNDRED ELEVENTH ANNUAL UNDERGRADUATE CATALOG**

**STATE OF ILLINOIS—Land of Lincoln**

**RICHARD B. OGILVIE, Governor**

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## *Board of Regents*

Norris L. Brookens (Urbana) ..... Chairman

Franklin G. Matsler (Springfield) ..... Secretary

### *APPOINTED MEMBERS*

1967 - 1969

Gordon H. Millar ..... Rock Island

Loren M. Smith ..... Rockford

1967 - 1971

Guy E. Cornwell ..... Chicago

Kenneth W. Lund ..... Oak Park

1967 - 1973

Norris L. Brookens, M.D. ..... Urbana

Percy L. Julian ..... Oak Park

Mrs. Thomas D. Masters ..... Springfield

### *EX-OFFICIO MEMBER*

Ray Page, Superintendent of Public Instruction ..... Springfield

Franklin G. Matsler, Executive Secretary ..... Springfield

Illinois State University is governed by the Board of Regents. The Board consists of ten members, nine appointed by the Governor for terms of six years and the Superintendent of Public Instruction who is ex-officio.

# University Calendar

1969

## SUMMER SESSIONS

June 16	Opening of and registration for eight-week summer session.
June 20	Last day for late registration and course changes for eight-week session.
August 7-8	Final examinations for eight-week summer session.
August 8	Close of eight-week session.
August 11	Opening of post session; classes begin, 2 p.m.
August 29	Post session ends.

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## FIRST SEMESTER

September 8	Opening of first semester; Orientation Week activities begin at 9 a.m.
September 8	Registration for late afternoon, evening, and Saturday classes, 6:30-9 p.m.
September 8-11	Registration according to a published schedule.
September 12	Classes begin.
September 20	Last day for late registration and course changes; 12 noon.
September 22	Last day for refunds; before 5 p.m.
October 18	Homecoming.
October 24	Last day to apply for graduation and pay graduation fee if degree is to be awarded at close of first semester.
November 26	Thanksgiving vacation begins, 11 a.m.
December 1	Thanksgiving vacation ends, 8 a.m.
December 12	Last day to withdraw from classes.
December 19	Christmas vacation begins after scheduled classes.

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January 5	Christmas vacation ends, 8 a.m.
January 14	Reading Day.
January 15-21	Final examinations for first semester.
January 24	First semester closes.

## SECOND SEMESTER

January 26	Opening of second semester.
January 26	Registration for late afternoon, evening, and Saturday classes, 6:30-9 p.m.
January 26-29	Registration according to a published schedule.

January 30	Classes begin.
February 7	Last day for late registration and course changes; 12 noon.
February 9	Last day for refunds; before 5 p.m.
March 13	Last day to apply for graduation and pay graduation fee for June commencement.
March 20	Spring vacation begins after scheduled classes.
March 31	Spring vacation ends, 8 a.m.
May 8	Last day to withdraw from courses.
May 26	Reading Day.
May 27-29	Final examinations for second semester.
May 30	Memorial Day holiday.
June 1-3	Final examinations for second semester.
June 6	Second semester ends.
June 6	One-hundred-eleventh annual commencement.

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## SUMMER SESSIONS

June 15	Opening of and registration for eight-week summer session.
June 19	Last day for late registration and course changes for eight-week session.
August 6-7	Final examinations for eight-week summer session.
August 7	Close of eight-week session.
August 10	Opening of post session; classes begin, 2 p.m.
August 28	Post session ends.



## *Directory of Administrative Personnel*

President .....	<i>Samuel E. Braden</i>
Vice President of the University and Dean of Faculties .....	<i>Richard R. Bond</i>
Vice President of the University and Dean of Administrative Services .....	<i>Eric H. Johnson</i>
Vice President of the University and Dean for Information and Research Services and Executive Assistant to the President ..	<i>James L. Fisher</i>
Vice President of the University and Dean of Special Services and Director of the Bureau of Appointments .....	<i>Harold E. Gibson</i>
Vice President of the University and Dean of Student Services .....	<i>Richard E. Hulet</i>

### **The President's Office**

President .....	<i>Samuel E. Braden</i>
Executive Assistant to the President .....	<i>James L. Fisher</i>
Computer Center, Director of .....	<i>Thomas Brigham</i>
Computer Center, Academic Assistant Director of ..	<i>Richard Reiter</i>
Computer Center, Assistant Director, Systems and Programming .....	<i>Henry O. Falb</i>
Computer Center, Assistant Director, Operations .....	<i>Kenneth R. Ruhrup</i>
Consultant for Institutional Studies .....	<i>Arthur H. Larsen</i>
Assistant to the President for Campus Planning .....	<i>Preston Ensign</i>
Architect, Office of Campus Planning .....	<i>Wilson Montgomery</i>
Assistant to the President .....	<i>Kenneth A. Shaw</i>
Assistant to the President, Budgets .....	<i>John Sealock</i>

### **Dean of Faculties**

Vice President of the University and Dean of Faculties .....	<i>Richard R. Bond</i>
Associate Dean of Faculties .....	<i>Francis B. Belshe</i>
Assistant to the Vice President of the University and Dean of Faculties .....	<i>Richard L. Desmond</i>
Assistant to the Dean of Faculties .....	<i>David E. Sweet</i>
Assistant to the Dean of Faculties .....	<i>Donald F. Templeton</i>
Associate Dean of Faculties for Special Programs .....	<i>Theodore Sands</i>
Assistant to the Associate Dean .....	<i>Randell M. Barnett</i>
Athletic Director .....	<i>Arley F. Gillett</i>
Associate Director of Athletics .....	<i>Milton E. Weisbecker</i>
Audiovisual Services, Coordinator of .....	<i>William Prigge</i>

- Coordinator of Academic Planning ..... *Warren R. Harden*  
 Dean, College of Applied Science and Technology ..... *Charles B. Porter*  
 Administrative Assistant to the Dean ..... *Jay W. Richardson*  
 Department Heads:  
     Agriculture ..... *Harvey S. Woods*  
     Health and Physical Education for Men ..... *Arley F. Gillett*  
     Health and Physical Education for Women ..... *Phebe M. Scott*  
     Home Economics (Acting) ..... *Blossom Johnson*  
     Industrial Technology (Acting) ..... *Roger D. Blomgren*  
 Dean, College of Arts and Sciences (Acting) ..... *Stanley B. Shuman*  
 Assistant Dean (Acting) ..... *Stanley G. Rives*  
 Assistant Dean (Acting) ..... *Thaddeus C. Ichniowski*  
 Department Heads:  
     Biological Sciences ..... *R. Omar Rilett*  
     Chemistry ..... *Bernard L. Ryder*  
     Economics ..... *Warren R. Harden*  
     English ..... *Henry H. Adams*  
     Foreign Languages ..... *Thomas E. Comfort*  
     Geography-Geology ..... *John E. Trotter*  
     History ..... *Roger J. Champagne*  
     Library Science ..... *Joe W. Kraus*  
     Mathematics ..... *Clyde T. McCormick*  
     Philosophy ..... *Kenneth C. Kennard*  
     Physics ..... *Harold J. Born*  
     Political Science ..... *Alice L. Ebel*  
     Psychology ..... *Walter H. Friedhoff*  
     Sociology-Anthropology ..... *Vernon C. Pohlmann*  
     Speech ..... *Charles A. White*  
 Dean, College of Business ..... *Robert V. Mitchell*  
 Assistant to the Dean ..... *James Hallam*  
 Department Heads:  
     Accounting ..... *Raymond W. Esworthy*  
     Business Administration (Acting) ..... *H. Earle Reese*  
     Business Education ..... *Warren S. Perry*  
 Dean, College of Education ..... *Henry J. Hermanowicz*  
 Associate Dean ..... *Joseph T. Durham*  
 Assistant Dean ..... *Dennis D. Bell*  
 Director of Research for College of Education ..... *Eugene H. Jabker*  
 Junior High School Curriculum, in charge of ..... *R. Jerry Cantlon*  
 Department Heads:  
     Education ..... *Leo E. Eastman*  
     Educational Administration ..... *Ben C. Hubbard*  
     Elementary Education (Acting) ..... *George M. Drew*  
     Metcalf Elementary School ..... *Vernon L. Replogle*  
     Professional Laboratory Experiences ..... *Cecilia J. Lauby*  
     Special Education ..... *Harold R. Phelps*  
     University High School ..... *Harry D. Lovelass*  
 Dean, College of Fine Arts (Acting) ..... *Richard L. Desmond*  
 Department Heads:  
     Art ..... *Frederick V. Mills*  
     Music ..... *Joseph M. Wilson*

## Directory of Administrative Personnel

Dean, Graduate School .....	<i>Arlan C. Helgeson</i>
Extension and Field Services, Director of and Assistant Director of Summer Session .....	<i>Francis R. Brown</i>
General Students, Adviser .....	<i>Robert H. Moore</i>
Libraries, Director of .....	<i>Joe W. Kraus</i>
Radio and Television, Director of .....	<i>Ralph L. Smith</i>
Research Services and Grants, Director .....	<i>Eric Baber</i>
Assistant to the Director .....	<i>Harry Shaw</i>
Staff Associate .....	<i>Eugene H. Jabker</i>
Social Science Majors, Adviser .....	<i>Benjamin J. Keeley</i>
Summer Session, Director of .....	<i>Francis B. Belshe</i>
Test Service, Director of .....	<i>Herman R. Tiedemann</i>

### Dean of Administrative Services

Vice President of the University and Dean of Administrative Services .....	<i>Eric H. Johnson</i>
Associate Dean of Administrative Services .....	<i>Keith L. Scott</i>
Administrative Assistant to the Dean of Administrative Services .....	<i>Tom Ruud</i>
Auxiliary Enterprises, Director of .....	<i>John B. Walker</i>
Controller .....	<i>Harold L. Burns</i>
Physical Facilities, Director of .....	<i>Robert E. Kirk</i>
Personnel, Director of .....	<i>George Evanoff</i>
Security, Director of .....	<i>John M. Newbold</i>
Purchases, Director of .....	<i>William Dorethy</i>
Telephone Communications, Supervisor of .....	<i>Dorothy Heinecke</i>
Internal Auditor .....	<i>Roger R. Staubus</i>
Health and Safety, Director of .....	<i>Lewis L. Legg</i>
Insurance, Director of .....	<i>George R. Houska</i>

### Dean for Information and Research Services

Vice President of the University and Dean for Information and Research Services .....	<i>James L. Fisher</i>
Assistant to the Dean .....	<i>Paul E. Wisdom</i>
Admissions and Records, Dean of .....	<i>Wilbur R. Venerable</i>
Assistant Director of Foreign and Graduate Admissions .....	<i>Ronald K. Green</i>
Associate Director of Undergraduate Admissions .....	<i>Raymond L. Bess</i>
Assistant Director of Undergraduate Admissions .....	<i>James M. Howard</i>
Assistant Director of Records .....	<i>David Snyder</i>
Assistant Director of Registration .....	<i>Curtis L. Denny</i>
Alumni Services, Director of .....	<i>John P. Wolter</i>
Development, Director of .....	<i>Harold D. Wilkins</i>
Foundation, Executive Vice President .....	<i>David E. Sweet</i>
News and Publications Service, Director of .....	<i>Richard T. Godfrey</i>



### Dean of Special Services

Vice President of the University	
and Dean of Special Services .....	<i>Harold E. Gibson</i>
Appointments Bureau, Director of .....	<i>Harold E. Gibson</i>
Appointments Bureau, Assistant Director of .....	<i>Parker Lawlis</i>
Conference Planning, Acting Director of .....	<i>Evelyn Shoup</i>
Museums, Director of .....	<i>Cecilia Peikert Bunney</i>
Photo Services, Director of .....	<i>Nelson R. Smith</i>
University Press, Director of .....	<i>William V. White</i>

### Dean of Student Services

Vice President of the University and	
Dean of Student Services .....	<i>Richard E. Hulet</i>
Assistant to the Vice President of the University	
and Dean of Student Services .....	<i>Stanley B. Escott</i>
Assistant to the Dean of Student Services .....	<i>Charles F. Abbott</i>
Associate Dean of Student Services .....	<i>Miriam Wagenschein</i>
Dean of Students .....	<i>Edwin B. Smith</i>
Assistant Dean of Students .....	<i>Robert V. Murley</i>
Assistant Dean of Students .....	<i>Dorothy Carrington</i>
Assistant Dean of Students .....	<i>Ethel G. Feicke</i>
Assistant Dean of Students .....	<i>Virginia A. Palmer</i>
Assistant Dean of Students .....	<i>Nell C. Bailey</i>
Orientation Services, Coordinator of .....	<i>Charles A. McBriarty</i>
Dean of Residence Hall Programs .....	<i>Dallas B. Bailey</i>
Assistant Dean of Residence Hall Programs .....	<i>Patricia A. Bleidt</i>
Assistant Dean of Residence Hall Programs .....	<i>Roger M. Holmes</i>
Housing, Director of .....	<i>Isabelle Terrill</i>
Associate Dean of Student Services, Office of	
International Student Services .....	<i>David L. Wheeler</i>
Financial Aids, Director of .....	<i>Gerald A. Curl</i>
Financial Aids, Acting Director of .....	<i>Larry E. Matejka</i>
Financial Aids, Assistant Director of .....	<i>James S. Bruno</i>
Financial Aids, Assistant Director of .....	<i>Keith J. Jepsen</i>
Student Activities, Coordinator of .....	<i>Robert W. Elsey</i>
University Union, Director of .....	<i>Bruce T. Kaiser</i>
University Health Service, Director of .....	<i>Irving W. Salowitz, M.D.</i>
University Health Service,	
Assistant Director of .....	<i>Ralph A. Elliott, M.D.</i>
University Health Service,	
Assistant Director of .....	<i>Leo H. Frigo, M.D.</i>
University Health Service,	
Assistant Director of .....	<i>Charles M. Jobson, M.D.</i>
Psychiatric Consultant .....	<i>Robert A. Chapman, M.D.</i>

### University Council

The date in parentheses indicates expiration of term.

Charles R. Hicklin (1970), Chairman  
John W. Ferrell (1972), Vice Chairman  
Frederick W. Fuess (1970), Secretary  
Richard R. Bond, ex officio  
Samuel E. Braden, ex officio  
Richard E. Hulet, ex officio  
Eric H. Johnson, ex officio  
George M. Drew, Jr. (1971)  
Scott C. Eatherly (1970)  
Elwood F. Egelston (1972)  
Charles E. Gray (1970)

Dean S. Hage (1970)  
Barbara Hall (1972)  
Frederick D. Kagy (1970)  
Walter S. G. Kohn (1971)  
Thomas B. Martin (1971)  
Charles E. Morris (1971)  
Warren S. Perry (1970)  
Milton Weisbecker (1971)  
Joseph M. Wilson (1971)  
William D. Zeller (1972)

## *Illinois State University*

The University was established to help people learn. To do so, it teaches, but to have something to teach, it also must learn. Like everyone else, the University learns through criticism of its shortcomings as well as through approval of its successes, and it strives constantly to improve its relevance and effectiveness. To this end, Illinois State University encourages the criticism and questioning of the University community.

Today universities are called upon regularly to assess their receptivity to criticism and their responsiveness to the needs and demands of their constituents. In an open community, for which a university should be the model, criticism should be welcome because it requires evaluation and evokes improvement. Illinois State University invites appraisal from without and encourages criticism and questioning from within.

Many channels are open inside this University to receive and provide reaction to criticism, and additional channels will be established if those existing are insufficient. Any student, staff, or faculty member, singly or in a group, may lodge a complaint or voice a suggestion through the Student Senate or the University Council, a department head, any University administrator, through a member of the Task Force on Intergroup Relations, through Civil Service Staff Council channels, student-faculty boards, and in a number of other ways. It is the intention of the University governance structure that such ideas will be given quick, thorough, and sympathetic consideration. Furthermore, the administration is pledged to implement with dispatch all ideas which meet the tests of collegial scrutiny and consensus.

In this spirit, when a grievance or a proposal for action is presented, the University will resort in good faith to the processes of discussion as long as the issue appears to be negotiable. If the responsible student, faculty, and administrative leadership should determine that the proposals are not genuine or that the process by which they are presented violates the provisions of our student code which prohibit the intentional disruption of the regular and essential operations of the University, the University will take steps appropriate to the maintenance of its integrity and orderly operation. In accordance with *Student Life . . . ISU* and with good practice in a democratic society, every person will be considered responsible and held accountable for his actions.

### **PURPOSE**

A free society depends on an enlightened citizenry, capable of making wise and responsible choices. Illinois State University, a multi-purpose liberal arts institution, has an important contribution to make in the development and maintenance



of such enlightenment. Its unique contribution and purpose is to serve the citizens of this state and nation by means of its commitment to knowledge: its creation (research), transmission (teaching), and application (service). In order to fulfill this purpose, the University recognizes the following responsibilities:

- To admit and retain qualified and enterprising students.
- To provide a social and intellectual climate conducive to the fullest development of students.
- To maintain high academic and professional standards of all associated with the University—faculty, students, and staff.
- To secure and retain a highly qualified and dedicated faculty and staff.
- To provide classrooms, libraries, laboratories, gymnasiums, and other facilities necessary for achieving the main purpose of the University.
- To encourage students and faculty to contribute to new understandings by research efforts.
- To offer regional and statewide services in areas where the University is the most competent institution to do so.

Illinois State University offers a wide range of educational programs at the undergraduate, masters, and doctoral levels. The general education program forms the common background for all students seeking baccalaureate degrees. The course sequences for major and minor areas of study in the various departments are basically similar whether the student is engaged in a non-professional or pre-professional program in the liberal arts or is preparing for a teaching career.

## HISTORY AND ORGANIZATION

Illinois State Normal University was established by the State of Illinois in 1857, and was the first state institution of higher education in Illinois and the second school for teacher education west of the Allegheny Mountains. Classes were held first in temporary quarters in Bloomington until the initial building was completed on the campus in neighboring Normal.

In 1907 the University inaugurated a four-year college program leading to a bachelor's degree. The first graduate work was initiated in 1943 when the University established a five-year program leading to a master of science degree in education. In 1962 the Teachers College Board authorized granting bachelor of arts, bachelor of science, master of arts, and master of science degrees, and approved work for six-year programs and, in some fields, for the doctorate. By Act of the Legislature in 1963, the name of Illinois State Normal University was changed to Illinois State University at Normal. In 1967 this became Illinois State University.

In 1965, the Board of Governors of State Colleges and Universities and the Board of Higher Education approved an expansion of purpose for the University beyond its original purpose of training teachers. As a result of that action, the University now offers degrees in liberal arts and sciences as well as in teacher education. In 1967 the University was placed under the supervision of a Board of Regents created by the State Legislature.

Ten presidents have guided the University during its 112 years of existence: Charles Hovey, 1857-1861; Richard Edwards, 1862-1876; Edwin C. Hewett,

1876-1890; John W. Cook, 1890-1899; Arnold Tompkins, 1899-1900; David Felmley, 1900-1930; Harry A. Brown, 1930-1933; Raymond W. Fairchild, 1933-1954; Robert G. Bone, 1956-1967. Samuel E. Braden became the tenth president in 1967.

The University is organized into 32 departments, grouped in five colleges.

The College of Applied Science and Technology consists of the Departments of Agriculture, Home Economics, Industrial Technology, Health and Physical Education for Men, and Health and Physical Education for Women.

The College of Arts and Sciences includes the Departments of Biological Sciences, Chemistry, Economics, English, Foreign Languages, Geography, History, Library Science, Mathematics, Philosophy, Physics, Political Science, Psychology, Sociology-Anthropology, and Speech.

The College of Education has seven departments: Education, Educational Administration, Elementary Education, Metcalf Elementary School, Professional Laboratory Experiences, Special Education, and University High School.

The College of Business consists of the Departments of Accounting, Business Administration and Business Education.

The College of Fine Arts is composed of the Departments of Art and Music.

## STUDENTS AND FACULTY

The enrollment at Illinois State University is more than 13,000 during the regular session and more than 5,000 during the summer session. The students come from all parts of Illinois, 47 other states, and some 33 foreign countries. More than half the students have scholarships.

The faculty numbers more than 930 professors and instructors holding a minimum of a master's degree. Professional rank and tenure require training of at least 30 semester hours above the master's degree. More than 40% of the faculty members hold earned doctorates.

## LOCATION

Illinois State University is well located for students and faculty members and for future development. Near the geographical center of Illinois, the University is easily accessible by state and federal highways (Routes 9, 51, 66, 150, 55, and 74). The Gulf, Mobile, and Ohio Railroad offers convenient train service to Chicago and St. Louis and to cities between. Interstate bus lines connect Bloomington-Normal with nearly every area in Illinois. The Ozark Airlines provide a link by air to the major cities of the Midwest and, via O'Hare Field in Chicago, to the rest of the United States and to foreign countries.

## SETTING

The twin cities of Bloomington and Normal have a combined population of about 65,000. The community is occupationally and professionally diversified, and it is economically well balanced. At the center of the great farming area of Illinois, the community has a growing industry and a thriving business. Illinois Wesleyan University, a well-known independent liberal arts college in Bloomington, is only a mile from Illinois State University. Together, the two cities and the two universities provide a wide variety of musical, dramatic, and other culturally stimulating programs. The libraries and the academic meetings of the two universities offer to the students an opportunity for intellectual stimulation and growth beyond that provided by the activities of the classroom.

## ACCREDITATION

The University is accredited by the North Central Association of Colleges and Secondary Schools and by the National Council for Accreditation of Teacher Education. The University holds institutional memberships in the American Council on Education, Council of Graduate Schools in the United States, National Association for Foreign Affairs, National Association of College and University Summer Sessions, the American Association of Colleges for Teacher Education, North Central Conference on Summer Schools, College Entrance Examination Board, National Collegiate Honors Council, Association of State Colleges and Universities, National Commission on Accrediting, and others.

## USE OF THIS CATALOG

The University catalog is the reference book by which the student works out his graduation requirements. It is particularly important that he study and keep the catalog for the year that he enters the University. For a student in regular attendance during at least one term of each academic year, this particular catalog is the official guide in determining the specific requirements for graduation.





## The Campus

With the new University Farm, the present campus covers a total of about 655 acres. The Main Campus, which includes the Mall and all other building sites east of Main Street (Route 51), contains approximately 71 acres. The West Campus, the site of the old University Farm, covers 96 acres just west of Main Street. The new University Farm contains 310 acres. The Golf Course covers 140 acres. Directly north of the West Campus are about 40 acres on which are located Cardinal Court and the Physical Plant Building.

The Mall, the original campus donated by the founders of the University, still has many of the trees planted by Jesse Fell in the years immediately after the founding of the University.

### BUILDINGS

*Cook Hall* (1895) contains classrooms, offices and a radio station for campus broadcasting.

*Edwards Hall* (1908), formerly the Industrial Arts Building, is used for classes and offices. Capen Auditorium, which seats 1,100, is located in Edwards Hall.

*Moulton Hall* (1912), formerly University High School, contains classrooms and offices.

*McCormick Hall* (1925) is used by the Department of Health and Physical Education for Women. A swimming pool was added in 1963.

*Felmley Hall of Science* (1930) serves the Departments of Biological Sciences, Chemistry and Physics. A large annex (1964) includes greenhouses and a planetarium as well as laboratories, classrooms and offices.

*Rambo Home Management Houses* (1939) are two complete houses used by the students of the Department of Home Economics.

*Milner Library* (1940) has more than 375,000 volumes plus 125,000 U.S. Government publications; 125,000 maps and other cartographic items; 198,000 microcard, microprint and microfiche items; 18,000 reels of microfilm, and 4,500 phonograph records and receives 3,000 current periodicals. Two building additions—the newest in 1964—provide additional stacks and reading rooms.

*Hovey Hall* (1950) houses the central administrative offices of the University. An addition was completed in 1968.

*Fairchild Hall of Special Education* (1951) provides for the preparation of teachers of exceptional children. Also located here are the psychological and counseling services, the speech and hearing clinics for college students, and the Rachel Cooper Health Service.

*Schroeder Hall* (1957) provides offices and classrooms which are used by the Departments of Education, Economics, Geography-Geology, Psychology, History, Political Science, and Sociology-Anthropology. A large annex containing lecture halls, laboratories, classrooms and offices was completed in 1965.

*Metcalf Elementary School* (1957) contains Hayden Auditorium and classrooms for kindergarten and grades one through eight. It is a laboratory school for students preparing to teach in the elementary grades. Located here is the closed-circuit television studio for broadcasting on the campus.

*Centennial Building* (1958) is used for art, music, speech and dramatic studies. Westhoff Theatre is located here. Two additions have been completed to provide more classrooms, studios, lecture halls and offices.

*Horton Physical Education Building* (1963) houses the Department of Health and Physical Education for Men and provides facilities for indoor athletic events, including basketball, swimming and track and field. Outdoor playing fields, including Hancock Stadium, are adjacent to the building.

*Turner Hall of Practical Arts* (1963) provides classrooms and other facilities for the College of Business and the College of Applied Science and Technology.

*University High School* (1965) provides complete facilities for high school students and serves as a laboratory school for teacher education.

*Central School* (acquired 1966) was formerly an elementary school building in the local public school system. Temporarily it is being used for both classrooms and faculty offices.

*Adlai E. Stevenson Hall* (1968) includes classrooms, laboratories and faculty offices for English, Mathematics, Philosophy, and Foreign Language Departments.

## STUDENT HOUSING

*Fell Hall* (1918) for 258 upperclass women.

*Barton Hall* (1951) for 213 women.

*Dunn Hall* (1951) for 213 women.

*Walker Hall* (1955) for 409 men.

*Cardinal Court* (1959 and 1965) apartments for 192 married students and families.

*Hamilton-Whitten Hall* (1960) for 812 women.

*Feeney Food Center* (1960) for Hamilton-Whitten and Atkin-Colby Halls.

*Atkin-Colby Hall* (1962) for 812 women.

*Wilkins Hall* (1964) for 420 men.

*Linkins Food Center* (1964) for Wilkins, Wright and Haynie Halls.

*Wright Hall* (1965) for 420 men.

*Haynie Hall* (1965) for 420 women.

*Hewett Hall* (1966) for 792 women.

*Manchester Hall* (1966) for 800 men.

*Vrooman Center* (1966) is the food center for Hewett Hall and Manchester Hall.

*Watterson Towers* and food center (1969), twin towers to house 1,100 students each, with one tower partially occupied in the fall of 1968.

## AUXILIARY BUILDINGS AND GROUNDS

*Central Heating Plant* (1916) furnishes heat for the entire campus.

*University Union* (1956) provides facilities for student leisure-time activities.

*Carter Harris Physical Plant Building* contains shops and offices for the campus maintenance staff.

*McCormick Athletic Field* is adjacent to the McCormick Hall and includes eight acres equipped for sports and physical education activities.

*Hancock Stadium*, for interscholastic football, is just east of the Horton Physical Education Building.

*University Farm* includes 310 acres of improved land.

*University Golf Course* is an eighteen-hole course maintained by the University for physical education classes, intramural and collegiate matches, and the community. No greens fee is charged for class or intramural use, but a fee is charged for other uses.

*John W. Green Center for Food Services* (1968) houses administrative offices for University food services, bakery, and central food stores.

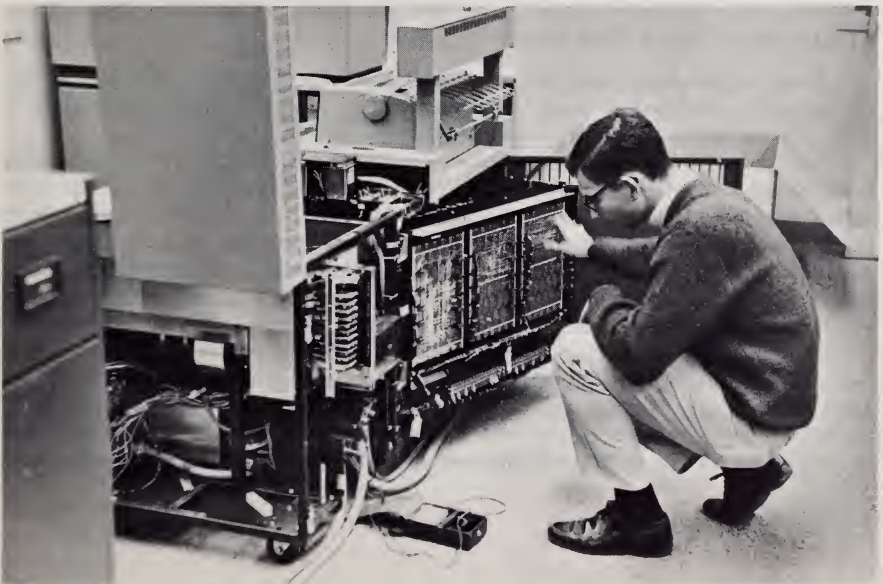
## BUILDINGS PLANNED OR UNDER CONSTRUCTION

*General Services Building* will house the University Press, Security Services, Electronic Repair, Duplicating Service, Insurance Office, Safety Office, Mail Service, Communications Service, Stenographic Pool, Personnel Office and Photographic Services.

*East Gate Hall* will house the Computer Service, Test Service and Data Processing.

*South Mall Art Building* will provide classrooms and studios for the Art Department and offices for a graduate center.

*Charles DeGarmo Hall* will house the College of Education.





# *Admission, Orientation, and Registration*

## GENERAL REQUIREMENTS FOR ADMISSION

The general requirement for admission is graduation from an approved high school with an academic record and entrance test scores which meet the minimum standards of the University. The test scores which must be submitted are those from the American College Test (ACT) or those from the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board.

The Committee on Admissions considers many factors in evaluating an applicant's preparation and readiness for college. Among these are high school program of studies, high school ranking, standardized test scores, recommendations of high school personnel, previous college work, and other qualities. Although specific subjects in high school are not required for consideration for admission, it is highly recommended that each student present a strong academic program in order to be prepared to compete with the well qualified students admitted. In addition to four years of English, it is suggested that a student's program contain as much mathematics, science, foreign language, and social studies as possible. Furthermore, a student is wise to take high school subjects which will provide a good foundation for the program that he plans to follow in college.

## ADMISSION PROCEDURES

Each student must make his own application for admission. He may secure the necessary application forms by writing to the Office of Admissions and Records, Illinois State University, Normal, Illinois, 61761.

The prospective freshman or transfer student must complete the application form, keep it together in the pre-addressed envelope and send it to the high school from which he will be graduated or—for the transfer student—from which he has been graduated. The high school will then complete its part of the application and send it directly to the Office of Admissions and Records. In addition, the transfer student must submit transcripts of all previous college or university work plus a recommendation from the dean of men or the dean of women of the last college or university attended.

Applications for new students entering as beginning freshmen will be processed on a time schedule, based on the students' high school ranks and ACT or SAT scores, as listed below. Applications will ordinarily be processed within two weeks of the receipt of the completed application and the student will

be notified of his status. If an applicant receives a "Notice of Eligibility," he may apply to the Housing Office for residence hall space or help in locating off-campus rooms. A "Notice of Eligibility" does not guarantee space in a residence hall.

Each application for admission must be accompanied by a non-refundable fee payment of \$15.00.

An applicant who has been approved for the fall semester must make a non-refundable payment of \$47.50\* to receive his official "Notification of Acceptance." This payment will apply to the regular fees charged at registration time. This fee is not charged for students applying for the second semester or summer session, nor does it apply to Graduate or Unclassified students.

An applicant may be admitted at the beginning of either semester or for the summer session. The Office of Admissions and Records, however, cannot process any application which does not arrive at least seven days prior to the opening date of a semester or session.

At the time that a student submits an application for admission, the University expects him to indicate his choice of curriculum. If, however, he has not been able to make a choice by the time that he applies for admission, he may indicate that he is undecided about the curriculum that he intends to enter. Before he begins his sophomore year, he must make a choice and indicate a major field. Students admitted to the University before choosing a curriculum will be designated "general students."

## CLASSIFICATIONS FOR ADMISSION

The University has four classifications for new students entering the University. They are:

- A. Beginning freshman student. A person who has never registered at any college.
- B. Transfer student. A person who has, at some time, registered at another college, whether or not he completed any work.
- C. Unclassified student. A mature person who is a local resident and who desires to avail himself of the instruction offered in any of the departments of the University without undertaking one of the regular plans of study and without becoming a candidate for a degree.
- D. Graduate student. A person who has completed at least a four-year baccalaureate degree and wishes to do advanced study. He may or may not be interested in earning an advanced degree at this University.

The admission requirements for acceptance for each of the classifications listed above are the same regardless of the semester or session for which a student applies. The time schedule for submitting applications and the specific requirements for each classification are listed below.

## TEST REQUIREMENTS FOR ADMISSION

All new beginning students, and transfers who present fewer than 30 semester hours of advanced credit, must present ACT scores, sent directly from the

\*This fee is subject to change after the publication of this catalog.

Test Center at Iowa City, Iowa. Non-resident students may submit scores on the Scholastic Aptitude Test (SAT) from the College Entrance Examination Board if that test is the one primarily used in their home state. If Illinois State University had not been specified to receive SAT or ACT scores at the time the test was taken, applicant must ask the American College Testing Program, Box 168, Iowa City, Iowa, or the Educational Testing Service, Princeton, New Jersey, to send scores directly to the University.

ACT or SAT scores listed on high school transcripts are not acceptable.

1. Applications from students ranking in the upper quarter of their high school class may be considered before the test scores arrive.
2. Applications from students ranking below the upper quarter will not be considered until ACT or SAT scores have been presented.
3. Regardless of rank or "Notice of Acceptance" a student will not be permitted to register for classes unless ACT scores are on file.
4. Transfer students who present fewer than 30 semester hours of credit must submit ACT or SAT scores.

## HEALTH EXAMINATION

Each student accepted for admission must file with the University Health Service, before Registration, the results of a physical examination by his family doctor. Special forms for this purpose will be mailed to new prospective students. If a student does not receive this form it is his responsibility to write for one. Students who plan to carry six or fewer semester hours are excused from this requirement.

## TIME SCHEDULE FOR SUBMITTING APPLICATIONS

### A. New Beginning Students

Prospective students who are still in high school may apply for admission to the University when they are able to present the basic kinds of academic preparation as indicated below. The University annually receives more applications than can be accepted from students that may show academic promise and reserves the right to consider any applicant that may have the potential to be successful in the university community. In addition to the applicant's high school rank and ACT or SAT scores, the Admissions Committee considers such important characteristics as intellectual curiosity, leadership potential, character, and special abilities, as well as University enrollment quotas. Prospective students are encouraged to apply as soon as they meet the guidelines indicated below:

1. After six semesters (12 units) of high school work.
  - a. October 1—upper quarter rank, regardless of test scores; or second quarter rank, if ACT Composite on College Bound Norms is 40% or higher. Equivalent SAT scores will be considered.
2. After seven semesters (14 units) of high school work.
  - a. February 1—all other students may apply at this time and will be considered on the various academic and personal characteristics indicated in the above statements.



3. Students who have already graduated from high school may submit an application and ACT scores at any time.
4. All out-of-state students must rank in the upper half of their high school class and present a composite score on the College Bound Norms of the ACT of 50% or higher. Students ranking below the half-way point cannot be considered on the basis of ACT scores. SAT scores may be submitted in lieu of ACT scores.

### **B. Transfer Students**

Students currently enrolled at another institution will be considered for admission to Illinois State University only during the last regular term of their attendance at that institution.

1. A transfer student must present an overall "C" average for all college work completed, and the final transcript from the last school attended full time must show a statement of "Good Standing." Any additional part time study will also be examined.
2. A transfer student must present a favorable recommendation from the Dean of Men or Dean of Women of the last school attended.
3. A student who was not eligible for admission directly from high school must present at least 30 semester hours of advanced work with an overall "C" average and "Good Standing." If the student was eligible for admission directly from high school he may transfer with fewer than 30 semester hours if the above requirements are met.
4. After approval for admission, the Office of Admissions and Records will send the student and his academic adviser a statement of how his transferred credit may be used to meet his curricular requirements at Illinois State University.

### **C. Unclassified Students**

1. Applications may be submitted any time up to seven days prior to the beginning of a semester or session.
2. An applicant must meet the regular requirements for admission as specified for A or B above, or give evidence of prerequisite background for the course for which he is applying as judged by the Admissions Committee.
3. Students currently enrolled in other colleges or universities and who plan to continue there, may attend a summer session at Illinois State University by submitting a statement indicating their current attendance in "Good Standing" from the school they are attending.

### **D. Graduate Students: Please refer to the Graduate Catalog.**

## **READMISSION OF FORMER STUDENTS**

Students who are returning to the University after a lapse of one semester or more must apply for re-admission through the Office of Admissions and Records at least seven days prior to the beginning of registration for the session which they wish to attend. The student must indicate on the application

if he has been in attendance at another college since last attending Illinois State University. If so, he must submit a Dean's Reference form along with an official transcript.

A former student who has been dropped for poor scholarship from Illinois State University must clear his status with the Dean of Faculties before he can be permitted to register. It is advisable for the student in this category to contact the Dean of Faculties several weeks prior to the date of the anticipated return to the University.

## **PREVIEW ISU AND ORIENTATION DAYS**

During the spring, all new freshmen and their parents will receive invitations to participate in Preview ISU during the summer. Preview ISU offers an opportunity to become acquainted with the campus and to plan programs of courses for the fall semester. These orientation days provide time for lectures, discussions about college work, registration, and social events. Faculty members and selected upper class students meet with groups of new students to give them the information that they need. There will be some orientation activities during the week of September 8 through 12.

## **REGISTRATION**

Students register for classes each session according to a published time schedule. Detailed information concerning registration procedures for a given session may be found in the Class Schedule Bulletin for that session. All students are urged to pre-enroll and each student must register in person.

To pre-enroll, the student must file a Program of Courses at the Registration Office after that program is approved by his adviser. Deadlines for filing programs are specified in the Class Schedule Bulletin.



# Costs and Living Accommodations

## FEES

### Admission

Each student must pay an application fee of \$15.00 at the time he applies for admission. This fee is non-refundable in every instance.

Admission fee ..... \$ 15.00

### Registration and Other Fees

Each student must pay his registration fees at the time that he registers. If he has not paid his fees, textbooks will not be issued and he will not be admitted to classes. *These fees are subject to change without notice because action regarding them may be taken after the publication of this catalog.*

### Fees for Each Semester—Residents of Illinois

For students who register for more than six semester hours

Registration fee .....	\$ 97.50
*Activity and Service fee .....	41.50
Student insurance .....	9.00
University Union fee .....	11.00
Recreational facilities fee .....	9.00
	<hr/>
	\$168.00

For students who register for six semester hours or less

Registration fee per semester hour .....	\$ 15.00
**Activity and Service Fee .....	12.50

For auditors (students who take courses without credit)

Registration fee per semester hour .....	\$ 15.00
Maximum charge .....	97.50

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\*For activity, athletic, entertainment, information, music, and recreation services.

\*\*Does not include athletic or entertainment services or *Index*.



**Fees for Each Semester—Out-of-State Students**

Non-resident registration fee, for more than six semester hours .....	\$308.00
*Activity and Service fee .....	41.50
Student insurance .....	9.00
University Union fee .....	11.00
Recreational facilities fee .....	9.00
	<hr/>
	\$378.50
Non-resident registration fee, six hours or less, per hour .....	46.00
**Activity and Service fee .....	12.50

A student under 21 years of age is a non-resident if his parents are not legal residents of Illinois. A student over 21 years of age is a non-resident if he is not a legal resident of Illinois at the time of registration. The Dean of Admissions and Records is responsible for applying the out-of-state fees.

**Fees Applicable Under Special Conditions**

Graduation fee (bachelor's degree) .....	\$ 10.00
Late registration fee (after scheduled registration days) .....	10.00
Late examination fee .....	1.00
Locker and towel fee for students in physical education courses .....	1.00
Change of program fee (charged beginning September 12, 1969, for the first semester and January 30, 1970, for the second semester) .....	5.00
Outdoor Education fee .....	14.00
Charge for each transcript .....	1.00

**Student Health and Accident Insurance**

Each student is assessed a fee to purchase a health and accident insurance policy. This policy provides for 100 per cent payment of the first \$500 of reasonable hospital expenses and 80 per cent of such expense above \$500. It covers 80 per cent of the reasonable expense for a surgeon or certain physicians' fees other than those for surgery. There is also an allowance for consultation and ambulance fees. The maximum amount payable for any one accident or sickness is \$10,000.

Coverage for a student's spouse and children may be obtained at an additional cost in the Office of University Insurance if applied for within ten days after registration.

Each student may exercise an option to continue this insurance during the summer months even though he is not enrolled in the University. The insurance must be purchased at the Office of University Insurance at the end of the school year and no later than the June commencement date.

\*For activity, athletic, entertainment, information, music, and recreation services.

\*\*Does not include athletic or entertainment services or *Index*.

Claim forms and brochures explaining the coverage are available in the Office of University Insurance.

## REFUNDS

If a student withdraws officially from the University by the date given below, the Registration and Student Insurance fees are refunded. Other fees are not refunded except that \$15.00 of the Activity and Service fee (\$4.50 for students who registered for six or fewer semester hours) will be refunded.

No refund will be made to a student who withdraws after September 22, 1969, for the first semester, or after February 9, 1970, for the second semester.

## LIVING COSTS AND ACCOMMODATIONS

### On Campus

The current rate for board and room in residence halls for men and women is \$470 per semester. The University provides all room equipment and linens; the student must furnish his towels, blankets, and bedspread.

Housing facilities for married students include 122 one-bedroom and 70 two-bedroom apartments. One-bedroom units rent for \$65 per month; two-bedroom units rent for \$75 per month.

The University reserves the right to increase rents and residence hall charges at the beginning of any semester or summer session, but it will not do so without giving students at least 60 days notice prior to the opening of the semester in which the increase takes effect.

The University is obligated by the Board of Regents to enforce regulations designated to assure the maximum use and occupancy of University housing. All new students may be required to live in University residence halls as long as space is available.

### Off Campus

All full-time undergraduate single students under the age of 21, not living in their own homes, with relatives, or in University residence halls are required to live in University-approved housing in the Bloomington-Normal community. The Office of University Housing maintains lists of approved houses.

When space has been reserved in an off-campus home, the student and the householder sign a rooming agreement which defines the terms and conditions of the rental.

Rates for rooms range from \$7.50 to \$15.00 per week. Meals served in the community average \$25 per week. In some homes, students may have cooking privileges.

Students residing in University-operated residence units may qualify for refund of room charges if the space can be re-rented. Refunds for board charges are made on a weekly basis in accordance with a pro-rated schedule.

Inquiries about housing and housing refunds should be directed to the University Housing Office.

## ESTIMATED TOTAL EXPENSE

Because the University is a state institution, the cost of attendance is relatively low. Estimated total expense for two semesters is approximately \$1,700.

# *Scholarships and Financial Aids*

## STATE SCHOLARSHIPS AND GRANTS

Recognizing the value of education to the individual and to society, the State of Illinois grants many scholarships to able students who wish to continue their education.

**The State Teachers Education Scholarships** are made available by legislative enactment to selected high school graduates who agree to take courses that will prepare them to teach. To be eligible, a student must rank in the upper one-half of his high school graduating class. Scholarships are available in each high school in Illinois. The scholarship may be used until a student graduates from college, but it is not valid for more than four years of attendance within a six-year period. A high school senior should ask his high school principal or counselor about this scholarship. This scholarship covers the Registration and Activity fees for each semester and summer session.

**The State Teacher Education Scholarships for Teaching Handicapped Children** are made available by legislative enactment to selected high school graduates who agree to take courses that will prepare them to teach handicapped children. To be eligible, a student must be in the upper one-half of his high school graduating class. The scholarship may be used until a student graduates from college, but it is not valid for more than four years of attendance within a six-year period. A high school senior should ask his principal or his counselor about this scholarship. This scholarship covers the Registration and Activity fees for each semester and summer session.

**The State Scholarship Commission Program** has made higher education available to a number of well-qualified high school graduates in Illinois. These scholarships are awarded to high school seniors on the basis of the ACT examination and the student's high school record. The amount of the award is based on computed financial need. If a student is not in financial need, he will be granted an honorary award. This scholarship may be used in any Illinois college or university. After each satisfactory year in college, the holder of a scholarship may renew it until he receives the bachelor's degree.

**The Illinois State Scholarship Commission Grant Program** makes tuition and fee grants available to students on the basis of financial need. The applicant must be a United States citizen and a resident of the State of Illinois, as determined by the legal residence of the parent (or parents) or legal guardian (or guardians). Applications are available from the high school counselor or the Financial Aids Office at ISU. The application must be submitted to the Illinois State Scholarship Commission no later than February 1 for the school year starting in September. Note that this application procedure is completely separate from the Parents' Confidential Statement submitted for other financial aid.

**State Military Scholarships.** A veteran may avail himself of the provisions of the State Military Scholarship Law, provided he has an honorable discharge and was a resident of the State of Illinois at the time he entered military service. These scholarships,



which cover Registration and Activity fees for four years at the state supported universities only, are administered through the Office of Admissions and Records.

**County Scholarships.** Legislation enacted in 1963 provides for the awarding of two scholarships annually in each county. These scholarships, covering registration and activity fees, may be used at Illinois State University or at one of the other state-supported universities. These scholarships will be awarded on the basis of a competitive examination. A student may obtain an application from the Superintendent of Schools of the county in which the student lives.

**State Talent Grants.** Freshmen and transfer students who plan to participate in intercollegiate competition or display talents in the areas of music, debate, athletics, art, student publications, agriculture or theater, are eligible to be considered for State Talent Grants. Persons with proven talents in high school should contact the Office of Student Financial Aids or the University department head responsible for the talent area of interest, for consideration.

If a student holding a State Scholarship does not plan to attend during consecutive semesters, he should notify the Office of Admissions and Records and apply for a leave of absence in order to protect his full right to aid. State military scholarships may be used by students enrolled for residence credit or in extension; other state scholarships may be used only by persons enrolled for residence credit.

## UNIVERSITY SCHOLARSHIPS

The University Financial Aids Committee supervises the granting of some scholarships to worthy students in the fall and the spring of each academic year. To be eligible for one of these scholarships, a student must have been in attendance at the University for one semester, have a 2.75 grade point average, and give evidence of financial need. Students seeking scholarship aid for the academic year beginning in September should make application to the Office of Student Financial Aids by April 1.

High school seniors, transfer students, and graduate students who plan to major in special education, however, may apply for scholarships before their first enrollment in the University. The dates for applications are from March 1 to June 1 for the following school year.

**The Illinois Congress of Parents and Teachers Scholarships** are available to students in any curriculum and are awarded for one school year. They range in value from \$50 to \$300 depending on the student's financial need.

**Illinois Congress of Parents and Teachers Scholarships** are available to students in special education and are awarded for a one-year period of time. They range in value from \$50 to \$300 depending on the student's financial need.

**The Raymond W. Fairchild Memorial Award** is given to an outstanding student upon the recommendation of the Athletic Board. The grant is made available through contributions of the many friends of Dr. Fairchild, President of Illinois State Normal University from 1933 until 1955.

**The Bloomington Woman's Club Award** for \$100 is granted to a junior or senior woman and awarded during the fall semester.

**The Richard F. Feeney Scholarships** are available to sophomores, juniors, and seniors with at least a "B" average. Funds for these awards are given to the University by Mr. and Mrs. Richard F. Feeney of Yorkville, Illinois.

The **Junior Women's Club Awards** are available to students in special education. The funds for these scholarships are given to the University by the Illinois Federation of Junior Women's Clubs.

The **Chicago Woman's Ideal Club Scholarships** for \$180 are available to sophomore women every third year. The last grants were made in 1967. To be eligible, a student must have at least a "B" average. Scholarships are renewable for the junior and senior years.

The **Council for the Handicapped Award** provides several \$1,000 scholarships to junior students in certain areas of special education. The students must be interested in teaching in the south suburban area of Chicago.

The **Alumni Awards** are given by Illinois State University Alumni Association. The number of awards granted and the amount of each may vary from year to year, depending upon the amount of money made available by the Foundation-Alumni Fund.

The **17th District Illinois Federation of Women's Club Award** is a scholarship of \$100 available to a student from one of the five counties in the 17th district—Ford, Livingston, Logan, McLean, and Woodford. In some years an additional \$100 award is available from each county.

The **Helen K. Ryan Scholarship** was established by the contributions of Miss Ryan's many friends. Miss Ryan was a graduate of Illinois State Normal University, a field representative for the Illinois Education Association, the Illinois representative to the National Education Association, and at the time of her death she was president of the I.S.N.U. Alumni Association. The scholarship varies in amount depending on available funds but is usually not less than \$100.

The **Martha R. Gregory Memorial Scholarship** fund was established in her name by her husband, Mr. Carl Gregory. Mr. Gregory graduated from Illinois State Normal University in 1931, and was a teacher and principal in the public schools of Illinois for thirty-six years. The amount of the scholarship is approximately \$400 per year. Students from Roxanna High School will be given first preference, and students from Madison County may be considered if there are no other qualified applicants.

The **Mark E. Hattenhauer Memorial Scholarship** was established by friends and colleagues of Mr. Hattenhauer from Bellwood, Illinois, and School District No. 88. Mr. Hattenhauer was superintendent of schools in Bellwood, Illinois, for thirty years, and graduated from Illinois State Normal University in 1929. The scholarship amounts to approximately \$80 per year and any qualified student may apply.

The **Katherine McGorray Memorial Scholarship** was a grant to the University Foundation by Mrs. McGorray at the time of her death. Mrs. McGorray graduated from Illinois State Normal University in 1892. The grant is approximately \$150 to \$200 per year, and any student in a teacher education curriculum may apply.

The **O. Lillian Barton Scholarship Fund** was established in 1958 by the women of Barton Hall and the friends of Miss Barton. The amount of the award is approximately \$50, and it is granted to assist senior women with their expenses while they are student teaching off campus.

**Foreign Student Tuition Scholarships.** Each year the University will award a limited number of scholarships to graduate and undergraduate students who are citizens of other countries or foreign refugees. These scholarships pay the registration fee for the recipient. The awards are based on the academic record, potential, and financial need of the students. Students desiring further information should include letters of inquiry with application for admission to the University.



## DEPARTMENTAL AND OTHER SCHOLARSHIPS

University departments, campus organizations, and individual donors offer several scholarships. To apply for one of these, the student should write directly to the person or group indicated in the descriptions below, not to the University Student Financial Aids Committee. The criteria for granting these scholarships are determined by the donors or by the committees in charge.

**John Kinneman Scholarship in Sociology** for \$125 is awarded annually to an outstanding junior majoring in sociology for educational purposes during his senior year. The award is based on outstanding scholastic ability, financial need, and faculty recommendations. Applications should be sent to the head of the Department of Sociology-Anthropology not later than April 1. The scholarship is made available from a trust fund established by Dr. John A. Kinneman, former Head of the Department of Social Sciences.

**The Harold Elliott-Ford Motor Company Fund Scholarship** of \$100 is to be awarded annually to a senior student majoring in agriculture. This scholarship is made available by Mr. Elliott, from Cropsey, Illinois, as a result of an award from the Ford Motor Company Fund for farm management efficiency. Applications may be secured in the office of Student Financial Aids after October 1, and must be returned by October 25.

**Paul A. Funk Scholarship.** The Paul A. Funk Foundation will provide \$1,000 for awards in Agriculture. The award will be given to at least one but not more than two students in any one year who show exceptional potential in agriculture. One scholarship of \$500 will be awarded to the sophomore Agriculture major with the highest accumulative GPA during his freshman year, and one scholarship of \$500 will be awarded to the junior Agriculture major with the highest accumulative GPA during his sophomore year. Application blanks may be secured from the Office of Student Financial Aids, and must be returned to this office by October 25.

**The Mae Warren Feeney Home Economics Award** is made to a sophomore, junior, or senior woman majoring in home economics. The student must have at least a "C" average and demonstrate financial need. The scholarship is worth approximately \$200 each year. Application should be made directly to the Head of the Department of Home Economics.

**The Jessie E. Rambo Award** of \$100 is made to a junior in the Department of Home Economics each year near the end of the second semester. This award, which covers school fees for the senior year, is made on the basis of scholarship, personality, evidence of leadership, participation in campus activities, and probable success in teaching home economics. The award is made possible by the interest and generosity of Miss Jessie E. Rambo, former Director of the Department of Home Economics of Illinois State University. Students should apply to the Head of the Department of Home Economics.

**Illinois Production Credit Association Scholarship**, for \$150, is awarded each year to a student majoring in the Department of Agriculture. The award is based on academic excellence, financial need, and participation in departmental and University activities. Applications should be directed to the Office of Student Financial Aids or the Head of the Department of Agriculture, from October 1 to October 25.

**The Glenn Brown Farms Scholarship** of \$150 is awarded each year to a student majoring in Agriculture. This scholarship is granted to the University by Mr. Glenn Brown of Springfield, Illinois. Applications may be secured in the office of Student Financial Aids after October 1 and must be returned by October 25.

**The Glenn E. Hextell Agriculture Scholarship** in the amount of tuition and fees for the school year is available to a student majoring in Agriculture. The award is based



on financial need, academic achievement, and faculty recommendations. The funds for this scholarship are donated by Mr. Glenn E. Hextell, a major in Agriculture, who graduated from Illinois State Normal University in 1951. Applications should be made between October 1 and October 25 each year at the Office of Student Financial Aids. The Department of Agriculture selects the recipient.

**The Children's Theatre Scholarship**, for \$100, is offered by the Children's Theatre of Normal, Illinois. It is awarded to a student chosen on the basis of worthiness, activity in dramatics, and financial need. Students should apply to the Director of the Children's Theatre.

**The Lathrop Memorial Award**, for \$200, is available to a senior who wishes to continue as a graduate student in the Department of Geography. The selection is made by the staff of the Department of Geography on the basis of scholarship, good character, evidence of interest in teaching geography, and financial need. The award is a memorial to Dr. Harry O. Lathrop for his outstanding contributions to the community, to the University, and to the field of geography.

**The Lowell Mason Award** of \$100 is presented in the spring to a deserving sophomore or junior in the Department of Music. It is designed to aid a student in music who has actively participated in campus and music organizations. A committee composed of the Head of the Department of Music, Faculty Adviser of the Lowell Mason Club, and a school administrator selects the recipient from application letters received in the spring. Application should be made to the Head of the Department of Music.

**The Orchesis Scholarship** of \$100 is available to a student enrolled in dance education as a second field. Applicants must have been active in Orchesis for one year, have a "B" average in dance courses, and have junior or senior standing when the scholarship is used. The Orchesis Scholarship Committee of the Department of Health and Physical Education for Women will administer the scholarships and select the recipient. Application should be made to the Head of the Department of Health and Physical Education for Women.

**The Erma Imboden Memorial Award** is made each year to a student teacher in Metcalf School. The formation of this fund was sponsored by the Metcalf Parent-Teacher Association. The award is made possible through contributions by the many friends of Miss Imboden, who for many years was a supervising teacher in the Metcalf School. Applications should be made directly to the President of the Metcalf P.T.A.

**The Stella V. Henderson Memorial Award** is made available annually to a graduate student through the interest of Kappa Delta Epsilon, Kappa Delta Pi (both honorary education societies), and friends of Dr. Henderson, an alumna and faculty member of the University. Dr. Henderson's particular contribution was in the field of educational philosophy. Students should contact the faculty adviser of Kappa Delta Pi or the Dean of the Faculties for further information.

**The Faculty Women's Club Scholarship**, for \$100, is in honor of the men and women of Illinois State University who served in World War II. It is awarded to an outstanding junior for scholarship, character, and leadership. Application should be made directly to the President of the Faculty Women's Club.

**The University "U" Club** makes eight \$100 scholarships available each year—two for each nine-week period of off-campus student teaching—to outstanding male students who demonstrate financial need. The purpose of the scholarship is to help pay some of the extra expenses incurred during off-campus student teaching. Applications should be secured at the Student Financial Aids Office.

**The Golden Jubilee Scholarships** of \$250 each are awarded to high school seniors who plan to prepare for teaching. These are made available by the Illinois Congress of Parents and Teachers. They are granted to persons with high scholastic standing, good

health and character, leadership, and a willingness to teach. One scholarship is given each of the 33 P.T.A. districts in Illinois and may be renewed each year for students who qualify. District P.T.A. committees select the recipients. High School seniors should ask their principals about these scholarships. Applications must be filed before March 15.

**The Alice L. Ebel Scholarship Fund.** The purpose of this scholarship is to encourage undergraduate and graduate students to participate actively in political organizations. The selection will be made by a committee composed of the sponsors of the University political organizations and the campus representative of the Illinois Citizenship Clearing House. Applications should be made to Miss Alice L. Ebel.

**The Garret Van Ausdall Memorial Scholarship,** in an amount not to exceed \$50, is sponsored by the Men's Residence Halls, who received contributions from various individuals and organizations. Mr. Van Ausdall was a graduate counselor in Dunn Hall at the time of his death in 1963. Qualifications and procedures for applying may be obtained from the Director of the Men's Residence Halls.

## LOAN FUNDS

**The Student Loan Fund** provides no-interest loans up to \$150 to any University student, graduate or undergraduate. A student may obtain information at the Office of Student Financial Aids. Several philanthropic organizations and several individuals have contributed to this loan fund over a period of years. Most of the student loan funds are derived from the following:

**The Annie Louise Keller Loan Fund** of \$150 was raised by students and faculty as a memorial to Miss Keller, a former student of Illinois State University, who gave her life protecting the lives of all her pupils in a rural school in Greene County during a tornado on April 7, 1927.

**The Illinois Congress of Parents and Teachers Fund** of more than \$3,000 is the result of the contributions to the Student Loan Fund by various P.T.A. groups throughout the State of Illinois.

**The Gladys Watts Memorial Fund** was established in memory of Gladys Watts, a former student at Illinois State University.

**The C. C. Byerly and Roy M. Clark Memorial Fund** was contributed to the University by the Illinois Bookmen's Association.

**The William Small Student Loan Fund** was established in his name by the Kappa Chapter, Professional Bookmen of America.

**The Faculty Women's Club Fund** provides loans for women students who meet the standards required by the club. No student may borrow more than \$200. The Office of the Dean of Women will furnish information about these loans.

## THE FEDERAL STUDENT LOAN AND GRANT PROGRAMS

The University provides financial assistance through participation in the National Defense Student Loan Program under Title II of the National Defense Education Act of 1958, Public Law 85-864. This program, nationwide in scope provides low-interest loans to students and makes special provisions for student borrowers who later enter the teaching profession at either the elementary, secondary or higher education levels. Any student who is admitted to the University, and who plans to register as a full-time student, is eligible for this loan. The amount of any loan is determined by an analysis of the financial need of the student. The College Scholarship Service Parents' Confidential Statement



is required to make application for financial assistance at ISU. The Office of Student Financial Aids will provide information concerning any form of financial assistance.

**Educational Opportunity Grants.** Outright federal grants to students with exceptional financial need are authorized by the federal government. All federal loan applications are automatically considered for eligibility for this grant. It is based on the analysis of the financial need of the student. The Office of Student Financial Aids will provide additional information.

**State Guaranteed Loan Program.** Loans are made available to families with combined adjusted income of less than \$15,000 per year through the Illinois State Guaranteed Loan Program. These are loans made possible through federal government interest subsidy. Full-time students who are residents of Illinois are eligible. Applications for this program can be initiated either at a local participating bank or at the Office of Student Financial Aids at the University.

## PART-TIME EMPLOYMENT

Many widely varied opportunities for work are available to students who need to earn a part of their expenses while they are enrolled in college. Part-time employees may earn from \$5 to \$20 a week, the amount depending on the student's skills and enterprise. Employment is made available through the Federal Work-Study Program for students with exceptional need. The Office of Student Financial Aids will furnish additional information concerning part-time employment.





## *Student Organizations, Activities and Programs*

The University feels a distinct responsibility to provide for the cultural growth of its students outside the classrooms. Each year the Entertainment Board, composed of students and faculty members, brings many of the finest musicians, dancers, lecturers, and stage personalities to the campus. The Board also sponsors the Arts Theatre, featuring American and foreign film classics. In addition, there is a Film Society, with membership open to anyone, which brings outstanding artistic and significant films to the campus.

The University Museum has many historical and scientific collections among which are prehistoric Illinois Indian artifacts, a pioneer kitchen, and materials for natural history. Milner Library has a collection of recordings of classical music and literary readings. The art galleries in the Centennial Building, the University Union, and Milner Library provide ample space for hanging student paintings and exhibiting art collections on loan to the University.

Seeking to stimulate student interest and growth, the departments of the University bring outstanding scholars, artists, and scientists to the campus for lectures, seminars, and conferences.

### **ORGANIZATIONS AND ACTIVITIES**

In its social functions the University encourages good social usage and seeks informally to teach poise and dignity. The organizations and activities of the students have been developed by the students with the cooperation of the faculty. These organizations and activities provide various ways in which students may participate effectively in the affairs of the University.

Since the founding of Illinois State University, social fraternities and sororities, even of a local nature, have not been a part of student life. The University maintains that, without these organizations, it can better achieve its main purpose and that students can participate more effectively in the life of the whole University. This policy does not, of course, have any bearing on scholastic or departmental honor societies or on their activities.

### **Student Senate**

The Student Senate is the foremost elected and representative body of the students. The President and Vice-President are elected by the student body at large and the Senators by their housing districts. The functions of the Student Senate are to formulate plans for improving the conditions and character

of student life and to make recommendations to the administration. The Senate has the responsibility of submitting to the President of the University the names of students to be considered for appointment to the student-faculty boards. The Senate also supervises all-school elections.

### **Student Participation in the Affairs of the University**

In addition to the Student Senate which serves as the voice for the student body and which may be advisory in matters of University policy, there are many official University boards upon which students, faculty, and administrators share in the study, advisement, and in some instances the proposal of policy on matters of highest import to the student body. Any student may petition the Student Senate to serve on any of these boards and is encouraged to do so in order to share the stimulating experiences only such participation can offer.

### **University Club**

Every undergraduate man becomes a member of the University Club when he registers at the University. The club promotes good fellowship among the men on the campus, encourages men to come to the University, and supports University enterprises, especially those in which men are interested. The University Club sponsors a program of social events on the campus.

### **Association of Women Students**

Every undergraduate woman is a member of the Association of Women Students. Through its various committees, the association makes it possible for women of the student body to function as a unified group. Everything that touches the life of women of the University is of interest to the association. Every woman student may be allied with some committee engaged in promoting special activities in the interest of the entire group.

### **Class Organizations**

Each of the four undergraduate classes elects a president, vice president, secretary, and treasurer. In each class these officers with the faculty consultant and students who are nominated by petition form an advisory and legislative board which directs the affairs of the class. Among the events are the traditional Sophomore Cotillion and the Junior-Senior Prom.

### **Residence Organizations**

Each University residence hall has a student government consisting of elected officers and representatives who serve on hall committees and councils. Projects or items of common interest among the halls are shared through the non-legislative Inter-Hall Council. Students living off-campus are organized into the Students Off-Campus (S.O.C.) organization. The Co-op Council coordinates programs for men's and women's co-op houses.

### **Religious Organizations**

In the belief that religion contributes to a stable philosophy of life and that this philosophy, in turn, gives greater meaning and value to a student's life and work, the University has encouraged both denominational and interdenominational student religious activities.

On-Campus religious organizations include:

- Baptist Student Union
- B'nai B'rith Hillel
- Campus Crusade for Christ
- Chi Alpha, for Assembly of God students
- Christian Science Organization
- Gamma Delta, for Lutheran students
- The Navigators (Interdenominational Protestant)
- Newman Club, for Catholic students
- Redbird Christian Fellowship
- Wesley Foundation at ISU, for Methodist students

Religious foundations sponsored by churches are:

- Canterbury House (Episcopal)
- Newman Center (Catholic)
- United Campus Christian Foundation (Presbyterian, Christian, Evangelical and Reformed, Congregational)
- Wesley Foundation (Methodist)

Local churches of several other denominations have developed programs and activities for college students.

### **Departmental and Campus Organizations and Honorary Societies**

Most departments in the University sponsor departmental organizations for their students. To recognize students who make outstanding college records, many departments also sponsor honorary societies. Some clubs have interest for students from various departments.

Departmental and campus organizations include:

- Administrators Club
- Association for Childhood Education
- Associated Women Students
- Conference on Inter-American Student Projects
- Co-op Council
- Council on International Studies
- Delta Kappa Delta (service)
- English Club
- German Club
- Industrial Arts Club
- Inter-hall Council
- International Students
- ISU Chemistry Club
- ISU Dames Club
- ISU Film Society
- ISU Physics Club
- ISU Tutorial Project
- Jesters (drama)
- Junior High School Education Club
- National Association for the Advancement of Colored People
- Naturalist Club
- Pacesetters (service)



Phi Beta Lambda (business)  
 Special Education Club  
 Student Education Association  
 Student Senate  
 Students for a Democratic Society  
 Students Off Campus  
 University Men's Club  
 University Union Board  
 WGLT Radio  
 Women's Physical Education Club  
 Young Democrats  
 Young Republicans

Honorary societies include:

Alpha Beta Alpha—Library Science  
 Alpha Lambda Delta—Freshman Women's Scholastic group  
 Alpha Phi Omega—Scouting  
 Alpha Tau Alpha—Agriculture  
 Delta Omicron—Music for Women  
 Delta Phi Alpha—German  
 Eta Sigma Phi—Latin  
 Gamma Theta Upsilon—Geography  
 Iota Lambda Sigma—Industrial Arts  
 Kappa Delta Epsilon—Education for Women  
 Kappa Delta Pi—Education  
 Kappa Mu Epsilon—Mathematics  
 Kappa Omicron Phi—Home Economics  
 Olympus—Clearing House for Honorary Groups  
 Omicron Delta Kappa—Junior-Senior Men's Academic-Leadership Society  
 Phi Alpha Theta—History  
 Phi Eta Sigma—Freshman Men's Scholastic Group  
 Phi Mu Alpha—Music for Men  
 Pi Delta Phi—French  
 Pi Omega Pi—Business Education  
 Red Tassel—Junior-Senior Women's Academic-Leadership Society  
 Theta Alpha Tau—Art

## Recreation and Sports

A balanced program of athletics is prominent in the activity program of the University. With first emphasis on good sportsmanship, University teams have compiled good records in football, cross country, basketball, wrestling, swimming, gymnastics, track, golf, tennis, and baseball. Junior varsity schedules are arranged in football and basketball. Redbird teams play a full schedule of games with the three other members of the Interstate Intercollegiate Athletic Conference (Illinois and Michigan) and with a number of other midwestern rivals.

In addition to intercollegiate athletics for men, the University provides a broad intramural program for both men and women. Because of the excellent facilities and the well-organized schedule of competition, many students take part in intramural sports.

Intramurals for women are sponsored by the Women's Recreation Association, the local chapter of a national organization. The WRA promotes friendly competition in team and individual sports among those living in various housing units and in many other ways encourages cooperative recreational activities for the physical and social development of all college women. For co-recreation, the WRA sponsors gymjams (playnights), Varunas (swim clubs), and an outing club.

Other recreational and sports organizations include:

- Coryphees—pompon dance group
- Gamma Phi—gymnastics
- ISU Sport Parachute
- Judo Club
- Lloyd Shaw Dancers
- Orchesis—modern dance
- Redbird Rooters—student pep groups
- Shufflin' Shoes

### Music Activities

Music is an important experience in life, and Illinois State University, recognizing this fact, provides music organizations to enrich the lives of students. These organizations also are of value in preparing students who plan to teach music to instruct similar groups.

Some of the music organizations present programs both on campus and on tour. Each year the Lowell Mason Club presents an operetta on campus.

Music organizations include

- Chamber Orchestra
- Concert Band
- Marching Band
- Men's Glee Club
- Stage Band
- Treble Chorus
- University Choir
- University Symphony Orchestra
- University Women's Chorus
- Varsity Pep Band

Membership in these organizations is open to all University students who can qualify.

### Speech and Dramatic Activities

In addition to regular course work in speech, the Department of Speech offers all University students an opportunity to participate in intercollegiate forensic activities. Student orators compete annually for the medal offered to the best speaker in the public speaking division of the Edwards Medal Contest. Illinois State University also schedules a large number of off-campus tournaments in oratory, extempore speaking, and debate. The forensic activities are coordinated by the University Forensic Union, which is affiliated with the Illinois Intercollegiate Oratorical Association, the Illinois Intercollegiate Debate League, the National Forensic Association, and the national honorary society, Pi Kappa Delta.

As a part of the work of classes in interpretative reading, the Department of Speech gives students an opportunity to participate in reading programs. Various community organizations make frequent requests for student programs. For those interested in reading poetry, participation in the annual Edwards Medal Contest is held in high esteem. A medal is presented to the student chosen as the best reader of poetry.

The University Theatre operates three theatre programs offering opportunities for the pre-professional specialists as well as the student interested in broadening his educational experience. A season of plays is produced in the Mabel Clare Allen Theatre as well as in Westhoff Theatre. The ISU Graduate Traveling Repertory Company also produces plays throughout Central Illinois.

The Guild, the Jesters and Theta Alpha Phi are student service and scholarship organizations in theatre.

### Student Publications

The University yearbook, the *Index*, is published annually by a student staff.

*The Vidette*, a semiweekly newspaper, is published by students in order to present important campus news and to reflect student life.

Both publications have repeatedly received national recognition for their high quality. In quarters in the University Union, students who are interested in journalism can get valuable experience in writing, makeup, and editing. For each publication, the Student Publication Committee selects an editor and a business manager; and these, with the faculty sponsor, appoint a staff of assisting editors and reporters.

*Campus Cues*, handbook of useful information for new students, is published annually by the University Club and the Association of Women Students.

*The Triangle* is a magazine of the best student writing. It is published annually by the Department of English and Sigma Tau Delta, an honorary English society.

*Orbit* is the University undergraduate journal which serves as an outlet for publishing excellent undergraduate papers written to fulfill course requirements.

### Radio-Television Facilities

The University has transmitting facilities for both closed-circuit radio and television as well as a licensed non-commercial FM station. WGLT, the student-operated radio station with studios in Cook Hall, broadcasts a daily schedule of programs to the community and to campus residence halls for a total of 96 hours per week. The program schedules include a variety of locally produced campus shows plus National Educational Radio Network programs.

A closed-circuit television cable system links more than thirty classroom buildings and dormitories. Three University channels and five channels from Peoria and Champaign-Urbana are available. The University instructional television service provides video support for courses, educational observations, and training for students in the radio-TV-film sequence.

The radio-television services are student-operated, and those who are interested in all phases of broadcasting have an opportunity to contribute to the program.

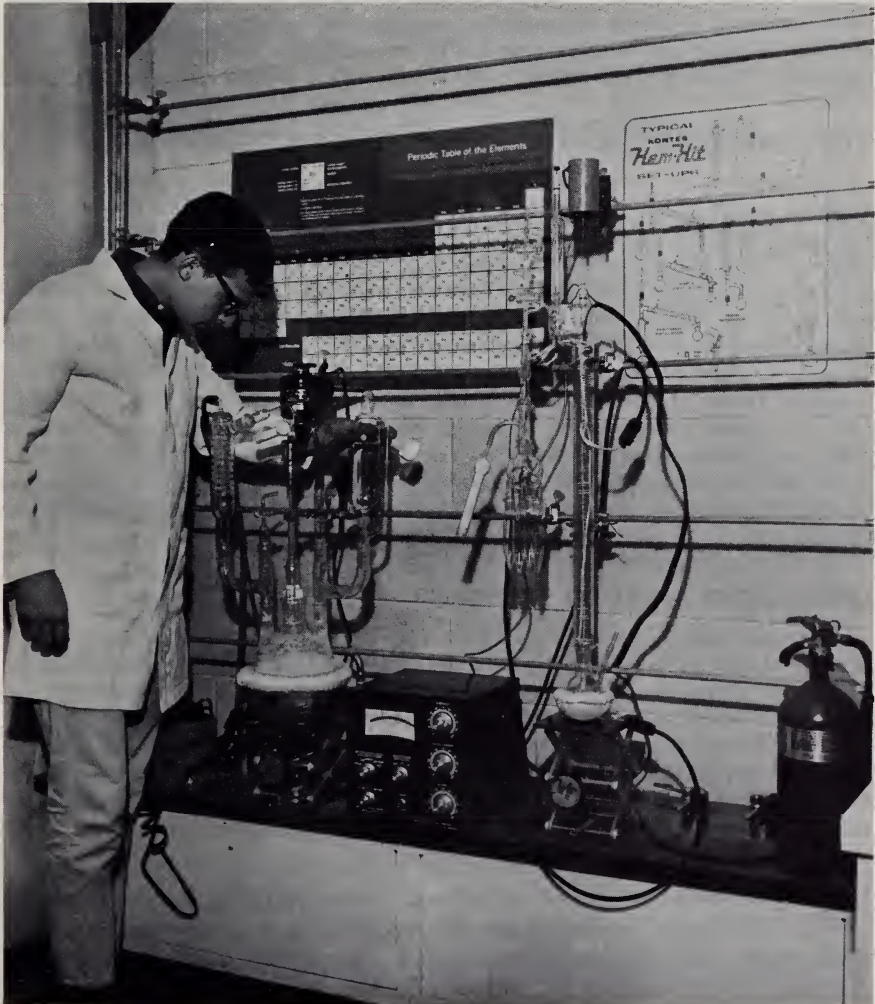


## USE OF AUTOMOBILES AND OTHER VEHICLES

By action of the Board of Regents, Illinois State University has established a system of registration and identification of vehicles owned and/or operated by students in the Bloomington-Normal vicinity. Registration of such vehicles is required of full and part-time undergraduate and graduate students. Vehicles must be registered prior to or at the time they are brought to the campus vicinity. Vehicle registration is provided for during registration each semester or at the University Security Office.

A motor vehicle registration fee is charged and a monetary penalty is assessed, when applicable, for failure to register.

All students receive a copy of "Regulations Applying to Parking and to Vehicle Registration" when they register a vehicle and are expected to adhere to these regulations. Complete information pertaining to motor vehicle and bicycle registration may be obtained from Office of Security and Traffic.



## *Student Services*

The University provides various counseling and guidance services, both personal and academic, to assist students in achieving their educational goals. Included under the broad designation of Student Services are offices specifically assigned responsibility for counseling, the conducting of programs in residence halls, financial assistance to students, co-curricular activities, and other related services. Counseling relating specifically to academic matters is provided in classrooms, departmental offices, and in the office of the Dean of Faculties.

### **VICE PRESIDENT AND DEAN OF STUDENT SERVICES**

Responsible for the development and operation of the student personnel program is the Vice President and Dean of Student Services who is one of the five administrators reporting directly to the President of the University. The Office of the Dean of Student Services provides leadership and coordination for the work of the five Student Services areas, and conducts special projects and programs closely allied to the Student Services area. Responsible to the Dean of Student Services are the Director of the University Health Service, the Director of the University Union, the Coordinator of Student Activities, and two Associate Deans of Student Services who supervise the areas of Residence Hall Programs, Dean of Students, Housing Office, Orientation Services, Financial Aids, and International Student Services.

Other important services to students include the Psychological Counseling Service, the Speech and Hearing Clinic, and the University Reading-Study Center.

### **UNIVERSITY HEALTH SERVICE**

Illinois State University maintains the Rachel Cooper Health Service as an integral part of its services for students. Because good health is essential to the success of a student or a teacher, the Health Service seeks to maintain and promote good physical and mental health among University students.

The Rachel Cooper Health Service and the University Infirmary with 24 beds are located in Fairchild Hall. The University physicians are available for consultation during regular office hours and, in cases of emergency, at other times. A registered nurse is on duty at all hours of the day and night.

### **UNIVERSITY UNION**

The Director of the University Union and his staff are responsible for the development and operation of the Union so that its facilities may be of maxi-

mum use to students, faculty, alumni, and friends of the University, as a cultural, recreational, and service center.

## **STUDENT ACTIVITIES**

The Office of the Coordinator of Student Activities offers assistance to any individual or groups concerning the scheduling, planning, or coordination of any programs dealing with extra-class student life.

## **DEAN OF RESIDENCE HALL PROGRAMS**

The Dean of Residence Hall Programs is charged with the staffing of residence halls as well as the programming of educational activities in on-campus student living centers. An important part of the dean's staff are the directors of men's and women's residence halls, who are trained counselors living in the students' own living centers. Their work is coordinated by two assistant deans.

## **DEAN OF STUDENTS**

The Dean of Students coordinates the work of a staff of counselors concerned with all facets of student life, and with the growth of the individual student as a personal and social being in the University community.

## **HOUSING OFFICE**

The University Housing Office establishes and maintains standards of safety, health, comfort, and study conditions in residence halls and approved off-campus housing. The Housing Office maintains a current file regarding physical conditions and accommodations in all living areas, and in addition makes available information related to housing, application and contract forms, room rates, food costs, and other pertinent materials. (See Costs and Living Accommodations.)

## **ORIENTATION SERVICES**

To acquaint all new students with Illinois State University is the central function of the Coordinator of Orientation Services. At the present time, four programs are administered and coordinated by this office: (1) Preview ISU, (2) Fall Orientation Program, (3) Spring Orientation Program, and (4) Spring Placement-Proficiency Examination Days.

## **STUDENT FINANCIAL AIDS**

Counselors in the office of Student Financial Aids are prepared to assist students with financial problems connected with University attendance. Available University, State, and Federal finance programs make it possible for any student to arrange the financing of his education. (See Scholarships and Financial Aids.)

## **INTERNATIONAL STUDENT SERVICES**

The Office of International Student Services is available to all students who are citizens of other countries who desire assistance in fulfilling their re-



sponsibilities to the Immigration and Naturalization Service. All entering foreign students, including transfers, should report to the office of International Student Services as soon as possible after their arrival to provide this office with certain information, some of which is contained in the passport. At the same time they should arrange to take an English test to determine whether they will need to enroll in a non-credit English course for foreign students. This test will be given during registration week.

In addition to services to foreign students, this office has information regarding exchange programs for ISU students wishing to study in universities and colleges outside the United States. Programs in foreign study will be developed by this office as the demand for such programs develops on this campus.

### **PSYCHOLOGICAL COUNSELING SERVICE**

The Psychological Counseling Service, located in Fairchild Hall, is available to University students who seek aid to correct or alleviate difficulties of a personal or an academic nature.

### **SPEECH AND HEARING CLINIC**

Students having speech and hearing problems may receive counsel and therapy at the Speech and Hearing Clinic, located in Fairchild Hall. On the basis of the freshman speech checks, the Department of Speech may refer a student to the Speech and Hearing Clinic or a faculty member may do so. The clinic also serves as a laboratory for student teachers in Speech Pathology. Hearing services include hearing tests, lip reading, auditory training, and advice concerning hearing aids. Prospective speech pathologists and teachers of the deaf and hard of hearing participate in school hearing surveys, analyses of hearing deficiencies, training for the hard of hearing, and procedures for selecting hearing aids.

### **WRITING CENTER**

Students who need supervised practice in writing in order to improve their writing skills may secure help in the Writing Center. The Department of English provides faculty members for this center. Any faculty member may refer students to the Writing Center. Students may obtain further information by inquiring in the office of the Department of English.

### **READING - STUDY CENTER**

Any University student interested in reading faster, increasing his comprehension in reading, learning word recognition skills, improving in spelling, and developing a well organized plan for studying may enroll in the University Reading - Study Center. All students who wish to come to the center should report to Schroeder Hall, Room 402, and be assigned to a specific class period. Although students are permitted to enroll at other times during a semester, early attendance at the center is considered beneficial. Students who desire help early in the semester are expected to enroll before the first week of class work has ended. No credit is given for the course and no fee is required.

## VETERANS' SERVICES

The office of the Director of Veterans' Services is located in the office of Student Financial Aids. The Director advises veterans on matters relating to the provisions established by the Federal Government. In order that the required forms may be completed in time, a veteran should write to the director before registration.

In the event that a veteran does not qualify for federal financial aid, he may qualify for a State Military Scholarship, which will provide for his University fees. To be eligible for this scholarship, a veteran must present evidence that he was a resident of Illinois when he entered military service. Furthermore, evidence of military service must be presented to the Office of Admissions and Records.

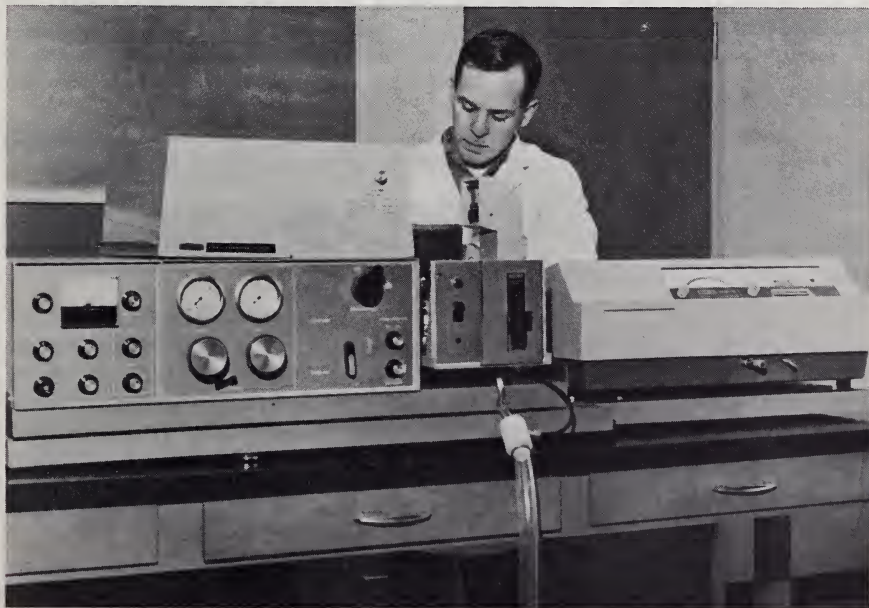
A veteran may receive credit in hygiene and physical education if he has been in continuous, active military service for at least a year. He must present a copy of his discharge form to the Office of Admissions and Records.

The University does not grant college credit for the completion of the college-level General Educational Development Examinations.

Certain dependents of deceased war veterans are entitled to educational benefits from the Veterans' Administration. If a student believes that he may be entitled to such benefits, he should write to the Director of Veterans' Services soon after being approved for admission to the University.

## STUDENT LIFE - ISU

Student Life - ISU is an official handbook which contains basic University regulations which are applicable to student behavior. These regulations are developed and revisions to them may be suggested by University boards on which both students and faculty are represented. Copies of Student Life-ISU are normally distributed during the registration period to new students or may be obtained by writing to the office of the Dean of Student Services.



# Academic Procedures and Regulations

## GRADING SYSTEM

The grades with their value in grade points are as follows:

A	(Passing)	4 grade points per semester hour
B	(Passing)	3 grade points per semester hour
C	(Passing)	2 grade points per semester hour
D	(Passing)	1 grade point per semester hour
F, WF	(Failing)	0 grade points per semester hour
I	(Incomplete)	0 grade points per semester hour
WX, WP	(Withdrawal)	0 grade points per semester hour

A, B, C, or D will be recorded for work which has been given a passing grade.

F will be given to (1) students who withdraw from a course at any time without official permission, and (2) students who are in a course all semester but fail to earn a passing mark.

CT (Credit) will be given for passing work earned under the Pass/Fail Option. NC indicates that no credit was earned in a course attempted under the Pass/Fail Option.

## GRADE POINT AVERAGE

In order to be eligible for graduation, a student must have a minimum grade-point average of 2.0 (C) in all courses taken at Illinois State University. I, WX, and WP are not counted.

Failures which have not been cleared by repetition of the courses are considered in the total number of semester hours taken in computing the grade-point average. The following illustrates the counting of grade points:

Course	Grade	Sem. Hrs. Enrolled	Sem. Hrs. Earned	Sem. Hrs. Counted for Grade Point Average	Grade Points Earned
		In			
American Government 105	D	3	3	3	3
General Psychology 111	C	3	3	3	6
Fundamentals of Speech 110	A	3	3	3	12
Applied Music 131	I	1	0	0	0



Elective	WP	1	0	0	0
Elective	B	3	3	3	9
Elective	F	2	0	2	0
Dance Composition 125	WF	1	0	1	0
		<hr/> 17	<hr/> 12	<hr/> 15	<hr/> 30

The grade-point average is computed by dividing grade points earned by semester hours counted. For the case above, the grade point average is 2.0. Grades of CT and NC do not affect the grade point average.

## THE PASS/FAIL OPTION

An undergraduate student (except a first semester freshman) who is not on scholastic probation may choose to register in some courses under an option which allows him to be graded on the basis of CT (credit) or NC (no credit) rather than on the basis of A, B, C, D, or F grades. This Pass/Fail Option is designed to encourage students to enroll in courses they otherwise would not take. Some courses, therefore, including those in a student's major or minor, may not be taken on the Pass/Fail Option. A maximum of 5 semester hours of work under the Pass/Fail Option may be taken each semester, and a total maximum of 25 semester hours under the Pass/Fail Option may be presented for graduation. Although an entry of CT (credit earned under the Pass/Fail Option) or NC (no credit earned under the Pass/Fail Option) will be entered on the student's record, these entries are not used in computing the grade point average for the student.

## SCHOLASTIC HONORS

### University Scholastic Honors

Each spring at Scholastic Honors Day Convocation, Illinois State University honors the 3 per cent of the undergraduate student body having the highest cumulative grade point average in all course work at Illinois State University. Freshmen and transfer students are eligible if they have earned at least 12 semester hours at Illinois State University.

### Dean's List

This list, prepared each semester, includes the names of students who have completed 12 semester hours or more with all grades of B or better. These students are given honorable mention at the Scholastic Honors Day Convocation each spring.

### Honors at Commencement

Students who have an accumulated grade-point average of 3.80 to 4.00 are graduated with *High Honors*; those with an average of 3.65 to 3.79 are graduated with *Honors*. These students wear a shoulder loop as a part of their academic dress, and their names appear as honor students on the commencement program. All grades earned at this University are counted in computing the grade averages except those earned during the term in which graduation requirements are completed.

SCHOLASTIC REQUIREMENTS

A student must meet both kinds of the following requirements to remain in good scholastic standing:

1. On the cumulative record, students who have taken 1-29 semester hours, inclusive, may have nine fewer grade points than twice the number of hours taken; 30-44 hours, inclusive, six fewer points; 45-59 hours, inclusive, three fewer points. Students who have taken 60 or more semester hours must have twice as many grade points as semester hours, or an average of 2.0 (C). I, WP, CT, NC, and WX are not counted. WF counts the same as F.

2. On the record of each semester, full-time students must have a minimum of eight semester hours and 16 grade points. Students taking fewer than eight semester hours during a regular semester must earn passing grades in all courses.

On the record for the eight-week summer session, a student registered for six or more semester hours must earn passing grades in at least three, and he must earn nine grade points. A student registered for less than six semester hours must earn passing grades.

For courses in post-session or extension, a student must earn passing grades.

*Beginning with the fall semester of 1970*, the following standards for determining good academic standing will replace the standards specified above. At that time a student to be in good academic standing must have achieved a minimum cumulative grade point average, depending on the number of semester hours taken, as shown in the following chart:

Semester Hours Taken	Minimum Cumulative Grade Point Average
11 or less	1.00
12 - 29	1.40
30 - 44	1.80
45 - 59	1.90
60 or more	2.00

The number of semester hours taken includes all college work taken by the student, but only the grades earned at Illinois State University are used in computing the grade point average. Students who do not achieve the minimum grade point average as specified will be placed on academic probation.

SCHOLASTIC PROBATION

Students who fail to meet the above requirements are placed on probation for the succeeding semester or session. Students who are placed on probation a second time are not permitted to continue their studies at Illinois State University until reinstated by the Reinstatement Committee. After the second probation, students are ordinarily expected to wait one year before requesting reinstatement.

REPETITION OF COURSES

If a student receives an F (failure) in a course, he should repeat the course as soon as possible if it is required for graduation. When he has repeated the course, only the last grade will be counted in computing the grade-point average.

A student may wish to repeat a course in which he has received a passing grade. In this case, the higher grade only will be counted in computing the grade-point average. A student may not use a grade earned under the Pass/Fail Option to replace a regular grade previously given in the same course. A student must secure permission from the Dean of Faculties to repeat a course more than once.

If a student wishes to remove a failing grade or to raise his grade-point average, he must repeat the course at this University. He can not use the grades at other colleges to replace grades earned at this University.

For students who enter the University in September, 1969, or thereafter, the following regulation will apply: A student may repeat a course which he has taken previously. In computing the cumulative grade point average both the original and repeated grades will be used.

### **SELECTIVE RETENTION OF STUDENTS IN TEACHER EDUCATION**

In recognition of responsibilities to the schools in which its graduates may teach, the University maintains a program of selective retention of candidates for the teaching profession. This program is designed to operate in such a way that no candidate is recommended for a student teaching assignment or for certification unless he has good character, sound mental and physical health, academic competence in general education and in his teaching fields, and professional skill.

### **WITHDRAWALS**

WX, WP, or WF will be given to students who have received official permission to withdraw from a course. WX is given if the student withdraws before the quality of the work can be determined; WP, if the student is passing at the time of withdrawal; and WF, if failing. WX cannot be given after the date marking the completion of the first one-half of any course. Official permission to withdraw from a course will not be given after the fourteenth week of a semester or after the sixth week of a summer session. The last day of the seventh week is the final withdrawal date for nine-weeks courses during a regular semester. Specific final dates for withdrawals during the two semesters of the academic year are published in the class schedule booklet for each semester. Specific dates for withdrawals during the summer session are published in the Summer Session Bulletin. In a case involving prolonged illness, a student may be permitted to withdraw at a later date if such withdrawal is recommended by the University Health Service.

After the period during which program changes are made, a student must have a conference with the instructor of any course from which he is planning to withdraw. This conference must be held prior to the granting of official permission to withdraw from a course. All students who wish to withdraw from the University should first confer with the Dean of Women or the Dean of Men. In case of accident or illness, which would make withdrawal in the regular way impossible, a letter sent to the Office of the Dean of Students explaining the situation will be sufficient. Regardless of the circumstances of withdrawal, the student must provide for the return of textbooks and the student identification card, and must obtain clearance for room and board obligations.



F will be given to a student who withdraws unofficially from a course. If a student withdraws from a class or from the University without making official arrangements with the Dean of Students, his withdrawal is "unofficial" after three weeks of absence or by the close of the semester, whichever is the shorter time.

## **INCOMPLETES**

An I (incomplete) will be given to a student who is doing passing work but who, because of illness or other justifiable reasons, finds it impossible to complete the work by the end of the semester or session. Unless the student has been in class to within three weeks of the close of the semester or one week of the close of the summer session, and the quality of his work is such that he can complete it through special assignments and examinations, incompletes are not given. Cases of illness which might justify the granting of incompletes should be reported to the Office of the Dean of Students. Incompletes sought for other reasons must be approved by the Office of the Dean of Faculties. Incompletes should be cleared during the next semester or session a student is in school and cannot be cleared after one year has passed.

## **STUDENT PROGRAM OF COURSES**

Heads of departments and their representatives are academic counselors, and they help students in planning their programs of courses.

In each semester of attendance, a student should consult his adviser about planning a program of courses for the next semester. Before planning his program, a student who is employed must secure a class schedule permit from the Office of Student Financial Aids if the student is to be granted a priority in scheduling which attempts to leave specific hours free for work.

## **SCHEDULE OF CLASSES**

The schedule of classes, prepared by the Dean of Faculties, is available at the Registration Office during the previous semester so that students in attendance can plan their programs of courses in advance. Each student should expect to have one or more classes on Saturday mornings.

During both semesters, the school day consists of 50-minute periods from 8:00 a.m. to 7:50 p.m. Monday through Friday, and from 8:00 a.m. to 12 noon on Saturday. Day classes usually meet as many times as the semester hours offered for the course. Courses with laboratory work meet for double periods for the laboratory part.

Beginning at 4:00 p.m., there are also classes meeting for only one weekly session, lengthened to the proper time. There are also Saturday morning classes in one session.

A full-time student is in class approximately 17 periods per week.

## **CLASS LOAD**

A student may carry a maximum of 17 hours each semester. A full-time student usually carries from 15 to 17 hours. A student wishing to carry more than 17 hours in a semester may seek permission to do so from the Head of the

Department in which he has his major. The granting of this permission will depend on the student's scholastic record. A freshman may not carry over 17 hours during his first semester.

A person who holds a full-time position may not take more than six semester hours of work per semester.

A student must have the permission of the Dean of Faculties to take any work, including extension or correspondence, at another college or university at the same time that he is taking work here.

## **CLASS ATTENDANCE**

The attendance policy of the University is based on two principles: first, that students are expected to attend class regularly; and second, that the student is primarily responsible to his instructor in matters pertaining to class attendance. Every student will be held responsible for class attendance and successful completion of his academic work. Attendance regulations are intended to encourage student maturity and are based on the assumption that academic success is the student's primary goal in college.

Students who have been absent because of a contagious disease must report to the University Physician before returning to class. State laws on quarantine and exclusion are strictly enforced.

## **CLASSIFICATION OF STUDENTS**

Students in the curricula leading to the bachelor's degrees are classified as freshmen, sophomores, juniors, and seniors. A student must have completed 30 semester hours to be classified as a sophomore; 60, as a junior; and 90, as a senior.

An unclassified student is one who is not working toward a degree at this University.

## **AUDITOR**

A student may register as auditor in a class or classes if facilities are available. An auditor does not participate in the activity of the class. He merely listens. To register as an auditor, a student must have the instructor's signature on an auditor's card which he can obtain from the Registration Office. The auditor fee is shown in the section on costs. Students who are registered for more than six hours for credit may audit courses without additional fees.

## **TRANSFER TO ANOTHER CURRICULUM**

If a student wishes to transfer to another curriculum or change his major field, he should report to the office of Admissions and Records for this procedure.

## **COURSE CHANGES**

No changes are permitted after September 20, 1969, for the first semester and after February 7, 1970, for the second semester. A fee of \$5.00 is charged for each course change not required by the University.

## *Special Academic Opportunities*

### THE HIGH POTENTIAL PROGRAM

The High Potential (HP) Program has as its objectives the recruitment and retention of economically, culturally, or educationally deprived students who, without the assistance provided by such a program, would have little opportunity for a successful college experience. Scholars in the program are selected after being evaluated on criteria including past academic performance, personal interviews, recommendations by school counselors and other school officials, available test information, and student autobiographies. Economic need and potential for success are the main determinants. The program basically provides two kinds of assistance, financial and academic.

Academic support services include tutoring, advising, academic and personal counseling and other campus support services already in existence, such as the Writing Laboratory and the Reading and Studies Skills Laboratory. During the 1968-69 academic year, staff members having major responsibilities in the High Potential Program included Dr. Charles E. Morris, Associate Professor of Mathematics; Mr. George A. Pruitt, Faculty Assistant to the Dean of Faculties; and Miss Lucille D. Smith, Instructor from the Office of the Dean of Faculties.

### STUDIES ABROAD

In keeping with the tradition of a liberal education, Illinois State University encourages qualified students to consider studying in another country. The purpose of study abroad is to enable the student to gain a direct understanding of the intellectual and cultural achievements of another country. In this way, the study abroad may contribute toward intelligent citizenship in the world community. Academic programs for a summer session, a semester, or the junior year abroad are available to students of Illinois State University.

Illinois State University is not limited by established affiliations with individual foreign institutions. Through its membership in a consortium of universities for international education a wide variety of studies abroad is available to students of Illinois State University. A greater flexibility and range of choice is possible through the selection of approved institutions with programs designed to accommodate the special needs of the student. A student interested in participating in a program of studies abroad for the junior year should plan carefully with his department head during the sophomore year. Programs for studies abroad for shorter terms should also be planned well in advance. Further information may be obtained from department heads and from the Office of the Associate Dean of Faculties for Special Programs.



## DOMESTIC STUDENT EXCHANGE PROGRAM

In order to make possible an educational experience in cultural and geographic circumstances considerably different from those of central Illinois, Illinois State University inaugurated the Domestic Student Exchange Program. Sophomores and juniors with a 2.5 cumulative grade point average may take a year's study at any one of several public colleges and universities in other states at costs equal to what a student who is a resident of that state would pay.

It is hoped that the exchange of students among institutions will enrich the educational experience of those individuals traveling to distant campuses and those of the host institutions who have a chance to meet and learn from incoming students. Institutions which are currently involved in this exchange are Illinois State University, Paterson State College (N.J.), Portland State College (Ore.), State University of New York at Albany, University of Alabama, University of Massachusetts, University of Montana and University of Oregon. Others are joining the program each year. For more information, contact the Assistant to the Dean of Faculties.

## HONORS PROGRAM

Illinois State University has an honors program which permits superior students to participate in special sections of a number of University courses. These honors sections are small classes encouraging intellectual interaction between the student and the professor as well as among the students themselves.

Outstanding freshmen are eligible for the honors program on the basis of rank in the high school graduating class and scores on the American College Test. Other students may be eligible on the basis of a superior grade point average.

Each year the Honors Council identifies a limited number of students as Robert G. Bone Scholars. These scholars are selected on the basis of excellent academic achievement and demonstrated leadership potential, good moral character, broad interests and ability, and respect for others.

Students interested in participating in the Honors Program may secure further information by writing to the Director of Honors at Illinois State University.

## SPECIAL OPPORTUNITIES FOR CREDIT AND ADVANCED PLACEMENT

Qualified students may receive college credit, or exemption from some course requirements, on the basis of satisfactory performance on proficiency examinations. A student may secure specific information on proficiency examinations by inquiring at the Office of the Dean of Faculties.

Certain approved high schools in Illinois offer college-level courses in mathematics. A student who completes these approved courses satisfactorily may receive a total of 5 semester hours of credit in College Algebra and Trigonometry.

Examinations taken in the Advanced Placement Program sponsored by the College Entrance Examination Board will give college credit to those students who have passed one or more advanced placement examinations with grades

of 5, 4, or 3, as indicated below. Credit will be allowed in courses most nearly equivalent to the material covered in the Advanced Placement Program.

<i>Advanced Placement Examination</i>	<i>Score Required</i>	<i>Credit or Exemption Allowed</i>
American History	5, 4, or 3	History of the United States 135 and 136; total, 6 sem. hrs.
Biology	5, 4, or 3	Introduction to Biological Science 100, General Zoology 190, and General Botany 121; total, 11 sem. hrs.
Chemistry	5 or 4	General Chemistry 140 and General Chemistry 141; total, 10 sem. hrs.
	3	General Chemistry 140, 5 sem. hrs.
English	5	Language and Composition 101, 3 sem. hrs.; and introductory literature, 3 sem. hrs. (Group III A of General Education)
	4	Language and Composition 101; 3 sem. hrs.
	3	Exemption, without credit, from Language and Composition 101.
European History	5, 4, or 3	History of Civilization and Culture 124, 3 sem. hrs.; or Modern World Civilization 128, 4 sem. hrs.
Foreign Languages (French, German, Latin, Spanish)	5 or 4	Credit for 115 and 116 in the appropriate language. Maximum credit, 8 sem. hrs.
	3	Exemption, without credit, from 115 and 116 in the appropriate language.
Mathematics	5 or 4	Analytic Geometry 112, Calculus 115 and 116; total, 12 sem. hrs.
	3	Analytic Geometry 112 and Calculus 115; total, 8 sem. hrs.
Physics	5, 4, or 3	Elementary Physics 106 or General Physics 108 or 110; 5 sem. hrs.

A student who has taken Advanced Placement Program examinations should request that his scores be sent to the Office of Admissions and Records.

The College-Level Examination Program (CLEP) makes it possible for students to apply the results of the College-Level Examinations for credit or placement. There are five general examinations of which the student may write in one or more of the following areas: English Composition, Humanities, Mathematics, Natural Sciences, and Social Science. There also are approximately eighteen Subject Examinations from which the promising student may avail himself of the opportunity to earn credit by examination.

The College-Level Examination Program is under the College Board and

it is administered by the Educational Testing Service of Princeton, New Jersey. This program is in its early stages with only one test center in Illinois. The complete address information for this center is:

Dr. Harold Klehr  
Director, Student Counseling Service  
University of Illinois  
Chicago Circle Campus  
Box 4348, Chicago, Illinois 60680

If there are questions that pertain specifically to the application of this examination program at Illinois State University, address communications to Director of Test Service, Illinois State University, Normal, Illinois, 61761.

A student who receives a rating of *Superior* or *Excellent* in the State Final Latin IV Examination for high school students will be granted eight semester hours of credit in Latin upon registration at this university.

## PREPARATION FOR PROFESSIONAL SCHOOLS

Requirements for admission to professional study vary according to the profession as well as among the schools offering study for the professions. For this reason, a student planning to enter a professional school should seek specific admission information from the professional school he wishes to attend.

Preparation for admission to a professional school consists of three phases:

- (1) A broad educational experience should be obtained. This is the function of the program of general education.
- (2) Courses should be taken which meet the specific admission requirements of the schools the student plans to attend.
- (3) Major and minor subjects should be selected to allow for study, in depth, in a field of interest and provide an alternative career direction if such becomes desirable.

## Dentistry and Medicine

A regular program of study in one of the established academic fields is generally recommended as the best preparation. Majors in biology and chemistry are especially suitable since major requirements in these fields overlap with the pre-professional requirements. A major in any academic field is usually acceptable, however, providing certain basic science and mathematics courses are included. Specific requirements regarding various schools may be obtained from the following sources or directly from the professional schools.

American Association of Dental Schools  
840 North Lake Shore Drive  
Chicago, Illinois 60611

Association of American Medical Colleges  
2530 Ridge Avenue  
Chicago, Illinois 60201

In consultation with his academic adviser, a student can arrange a program of studies which best suits his own needs and objectives. The strong sequential nature of some programs requires that appropriate course selections be



made in the first year if a sound program is to be developed. For example, it is important that entering students elect mathematics since calculus is a prerequisite for some courses in physics, chemistry, and biology.

Students seeking further information concerning any of these programs should arrange a conference with either the Head of the Department of Biological Sciences, the Head of the Department of Chemistry, the Dean of the College of Arts and Sciences, or Dr. Howard N. Harrison, Associate Professor of Physiology and Health Sciences.

### **Engineering**

Illinois State University offers the courses ordinarily required for the first two years of an engineering curriculum. Students will usually enroll as majors in the department of physics, mathematics, or chemistry where faculty advisers are available to help arrange a suitable program of studies.

The strong sequential nature of engineering curricula requires that appropriate course selections be made in the first two years if a sound program is to be developed. In consultation with his faculty adviser, a student should plan his program of study carefully to parallel the catalog requirements of the engineering school to which he plans to transfer.

Students seeking further information concerning pre-engineering programs should arrange a conference with the Head of the Department of Physics, the Department of Mathematics, or the Department of Chemistry, or the Dean of the College of Arts and Sciences.

### **Law**

While pre-law students often major in political science, many law schools do not require any particular undergraduate concentration. A committee of the Association of American Law Schools has recommended that the pre-law student keep in mind three basic objectives in planning his undergraduate program: education for articulate oral and written expression; education for greater understanding of human institutions and values; education to develop greater power in thinking. The committee emphasized the need for a broad, liberal education with development of the student's intellectual interests rather than one directed too pointedly for later professional training and practice. Students planning to apply for admission to law school should plan to take the Law School Admission Test early, preferably in November, of their senior year. Students wishing further information concerning appropriate undergraduate programs and the Law School Admission Test may contact either the Head of the Department of Political Science or the Dean of the College of Arts and Sciences.

### **Social Work**

The University offers courses usually considered desirable at the undergraduate level for students who plan to do advanced study in Social Work. It is suggested that such students inquire about specific requirements from the graduate school of their choice, preferably not later than at the end of their sophomore year. Although students may plan a limited career in this field with only a bachelor's degree, in order to work at the professional level a minimum of a master's degree is necessary.

The purposes of Pre-Social Work are:

1. To provide an understanding of the welfare programs established for man's social betterment;
2. To stimulate an interest in and a basis for graduate study;
3. To provide a general preparation for pre-professional employment in the welfare field.

Appropriate majors for students interested in Social Work are Sociology, Psychology, and Social Science Comprehensive, but it is well to take some work in all of these areas. Students seeking further information concerning appropriate undergraduate work related to a career in social work should arrange a conference with either the Head of the Department of Sociology-Anthropology, the Adviser to Social Science majors, or the Dean of the College of Arts and Sciences.

### Veterinary Medicine

Students interested in gaining admission to a school of veterinary medicine are advised to complete basic sequences in the sciences and mathematics regardless of the major field pursued.

For further information, a student may consult the Head of the Department of Agriculture, the Head of the Department of Biological Sciences, or the Head of the Department of Chemistry.

Specific information regarding requirements may be obtained from the schools of veterinary medicine or from the American Veterinary Medical Association, 600 South Michigan Avenue, Chicago, Illinois, 60605.



# *Certification, Appointments, Alumni*

## **TEACHERS CERTIFICATES**

Each student who completes a bachelor's degree program in teacher education is eligible for one or more teaching certificates in the State of Illinois.

When a student has completed all the requirements for his degree, he will receive from the Office of Admissions and Records a card of entitlement for an Illinois Teaching Certificate.

Information concerning the requirements for certification in Illinois may be obtained from the Bureau of Appointments, the Office of Admissions and Records, or the offices of county superintendents of schools.

## **BUREAU OF APPOINTMENTS**

The University maintains the Bureau of Appointments for two purposes. The first is to serve students and alumni of the University by informing them of available positions, by instructing them in making effective applications, by helping them to recognize and observe good professional procedures, and by giving them related information which will help them to secure good positions and succeed in them.

The second purpose is to aid officials of schools in the state in finding qualified teachers for their schools. In addition, representatives of industry and government visit the Bureau to interview students interested in going into business, industrial, governmental, or other positions.

## **ALUMNI SERVICES**

Through the Alumni Office, the Alumni Association, and 32 alumni clubs, former students maintain contacts with one another and the University. The Alumni Office keeps records on file for more than 22,000 alumni and serves as their headquarters when they are on campus.

The Alumni magazine and the *Register* are distributed to all alumni periodically by the association. The association plans Founder's Day, class reunions, alumni meetings, the annual alumni luncheons at commencement and Homecoming, campus student activities, senior receptions, and Homecoming. Recent projects of the Alumni Association include the Eyestone School, a number of student scholarships, and the special University sign on the corner of College Avenue and Main Street in Normal.

In addition to 26 ISU clubs in 36 counties of Illinois, clubs have been organized in St. Petersburg, Florida; Cleveland, Ohio; Southern California; Northern California; Washington-Oregon; and Phoenix, Arizona. Additionally, clubs are in the process of being formed in other areas such as Washington, D.C., and New York City.



## *Other University Programs and Services*

### UNIVERSITY EXTENSION AND FIELD SERVICES

Illinois State University offers extension courses, short courses, workshops, and conferences. These are designed primarily for teachers, administrators and other adults who wish to improve themselves professionally. Extension offerings are considered an integral part of the total education program offered at Illinois State University. Admission to class work is on the same basis as for courses offered on campus. The extension program includes both graduate and undergraduate courses. Classes are established in off-campus locations where needs justify this service.

Before each session, the Division of University Extension and Field Services publishes an *Extension Bulletin* which lists the course offerings, the professors, the centers, and the policies governing extension work. Inquiries about extension work are welcomed.

*Correspondence courses are not offered by this university.*

Illinois State University makes available its facilities and the services of its staff members in an attempt to meet the needs of the schools and communities. The use of these facilities and services is directed through various offices. Information concerning these services and instructions on how to arrange for them may be secured from the Division of University Extension and Field Services. This office also supplies a bulletin entitled *Speakers* which lists university speakers and consultants.

### EVENING AND SATURDAY CLASSES

During the regular school year, Illinois State University offers a number of undergraduate and graduate courses during the evenings and on Saturday mornings. These courses give residence credit which may be used in completing the requirements for degree programs.

### THE SUMMER SESSIONS

The University provides a summer session of eight weeks, a three-week post session, short courses, and workshops. The University offers regular courses under the regular staff of instructors, and students may take the same type of work as that offered during the first and second semester. Some student teaching facilities are available for those who qualify.

In the eight-week session, undergraduate students may earn nine semester hours of credit, approximately half that for full-time work for one semester. Graduate students are limited, however, to eight semester hours.

Prospective students may secure the annual *Summer Session Bulletin* by writing to the Director of the Summer Session. This bulletin lists the courses, costs, special offerings, conferences, exhibits, and other information. The Division of University Extension and Field Services will send the bulletin, *Short Courses and Educational Workshops*, to prospective students interested in this type of work.

## UNIVERSITY PUBLICATIONS

The Alumni magazine has been the official bulletin of the Alumni Association since 1912. This 24 to 32 page magazine is distributed to all members of the Alumni Association.

The Illinois State University Bulletin is published six times a year. Regular issues are the *Undergraduate Catalog*, the *Summer Bulletin*, *Short Courses and Educational Workshops*, the *Graduate Catalog*, and a pictorial bulletin describing the University. The other issues are used, as occasion demands, to report special activities of the University.

The *Illinois State University Journal* is published four times a year and contains a variety of scholarly articles from various disciplines. It is under the supervision of the faculty Editorial Committee, which also directs the publication of an annual bulletin containing annotations of Illinois State University graduate theses and dissertations.

The *Register*, a monthly newspaper for staff and parents of students, includes news, photographs, and features pertaining to the University and is mailed to their homes. Special alumni issues of the *Register* are mailed to all alumni four times a year.

*Up-Date* is a publication of the Office of Research Services and Grants. It is distributed at regular intervals to members of the faculty and describes current developments relating to government support for research and educational activities.

The *Weekly Report* is a news bulletin printed each Friday during the academic year and is distributed to all staff members, campus offices, and community leaders.

Information concerning other publications prepared by the University departments and divisions, by student groups, and by faculty members may be obtained from the News and Publications Service.

## OFFICE OF RESEARCH SERVICES AND GRANTS

The University's Office of Research Services and Grants is an information and coordinating center for faculty and students who wish to secure financial support from sponsoring agencies. Projects and programs funded by Federal agencies and private corporations constitute an expanding part of the University's involvement in research and development activities. This Office serves as a catalyst to stimulate faculty and student interest in research projects, teaching experiments, and community service programs. It provides help in locating appropriate funding sources for new academic endeavors; assists in the development of research proposals; and acts as liaison between the University and funding agencies.

## THE UNIVERSITY FOUNDATION

The Illinois State University Foundation is a not-for-profit corporation chartered by the State of Illinois for the sole purpose of serving Illinois State University. It does so by inviting, receiving, holding, and administering gifts, grants, and loans to support the regular and legitimate activities of the University for which the State ordinarily makes insufficient appropriations. The Foundation also acts as agent for the University where appropriate. Because the University achieves its greatest efficiency when its resources are assigned where their marginal yield is highest, the Foundation's first interest is to attract funds the uses of which are free of restriction. Nevertheless, the Foundation will respect the right of a donor or contractor to specify the use to be made of his funds provided the overall interest of the University is served thereby.

Currently the Foundation holds several hundreds of thousands of dollars in trust and in unrestricted funds. The Foundation maintains an investment program for these monies and secures a substantial return in the form of income and capital gains. Funds held in trust include all gifts to the University, the number of which has increased significantly since the establishment of an Office of Development.

The officers of the Foundation include a Board of Directors consisting of the President of the University, who serves as Chairman; the Vice President and Dean of Information and Research Services, who serves as President; the President of the Alumni Association; a member of the Board of Regents; and the Executive Vice President of the Foundation who is the principal administrative officer, accountable to the Dean of Information and Research Services. Other members of the Board include distinguished leaders in education, government, and industry to provide broad support for the Foundation's work.

## THE DEVELOPMENT OFFICE

The Development Office is responsible for creating and carrying out a long-range program for expanding the amount of voluntary support for the University. Such voluntary support is used to provide scholarships, fellowships, research grants, equipment, and special purpose buildings and facilities not likely to be provided by legislative appropriations. Because the University must use State funds primarily for additional classrooms and laboratories and for salaries, the support which the Office of Development can generate from individuals, industry, and private foundations provides the Margin of Excellence which enables ISU to continue to be an exceptionally creative and progressive force in higher education. The Development Office, in actively seeking voluntary support for the University, is carrying on the tradition established by the University's founders, whose solicitation of gifts of money and land made the establishment of the University possible.



# *The Graduate School*

## HISTORY AND FUNCTION

Graduate work at Illinois State University was initiated in 1944. At the present time, the University offers master's degree programs in thirty academic and professional areas as well as doctoral programs in Art, Educational Administration, and Biological Sciences. The University also offers a sixth-year program in Educational Administration. A doctoral program in Geography was authorized by the Board of Regents in 1968.

The Graduate School offers the following degrees: master of arts; master of science; master of science in education; specialist in education (sixth-year programs); doctor of education; and doctor of philosophy.

## BEGINNING GRADUATE WORK

Prospective students may write to the Director of Admissions for information and the *Annual Graduate Catalog*. This catalog contains information on admission, fees, graduate assistantships, scholarships, curricula, the graduate faculty, and advanced-degree requirements.

Work in the Graduate School is available during both semesters and the summer sessions. Some classes are scheduled for late afternoon, evening, and Saturday; and a few graduate courses are offered at extension centers. Graduate-level courses are numbered in the 400's, but a limited number of courses at the 300 level may be taken for graduate credit.

A senior in good standing at this University may begin graduate work during the semester or summer session in which he completes the requirements for the bachelor's degree, provided he qualifies for an advanced-degree program. For a semester, however, he may not register for more graduate credit than the difference between fifteen hours and the number of hours required to complete the bachelor's degree. Similarly, for a summer session, he may not register for more graduate credit than the difference between eight hours and the number of hours required to complete the bachelor's degree.

# *Graduation*

## COMMENCEMENT

Degrees are conferred and diplomas awarded after the close of each semester, at the end of the eight-week summer session, and after the post session. Commencement is held once each year in June. Undergraduate students completing requirements prior to June Commencement as well as those who expect to complete degree requirements at the close of the following summer session or post session may participate in June Commencement. Participation is voluntary. Graduate students who expect to complete degree requirements prior to June Commencement may participate in June Commencement. Those who will finish their degree requirements after June Commencement, in the summer session or post session, may participate in the June Commencement occurring during the next academic year.

## DEGREES AWARDED

Illinois State University at Normal awards three undergraduate degrees: Bachelor of Arts, Bachelor of Science, and Bachelor of Science in Education.

1. To qualify for the degree of Bachelor of Arts, a student must meet the requirements in general education, the requirements for a major and a minor, and the general requirements for graduation which apply to all students. A candidate for this degree also must earn 32 semester hours in the humanities and the social sciences and complete three semesters of study, or equivalent, in a foreign language at the college level. In all cases, however, at least one semester of foreign language must be taken in college.

If a candidate for the degree of Bachelor of Arts is planning to prepare for teacher certification, he must also meet all the requirements in professional education.

2. To qualify for the degree of Bachelor of Science, a student must meet the requirements in general education, the requirements for a major and a minor, and the general requirements for graduation which apply to all students.

If a student seeking the Bachelor of Science degree wishes to be certified as a teacher, he must also meet all the requirements in professional education.

3. To qualify for the degree of Bachelor of Science in Education, a student must meet the requirements in general education, professional education, teaching-field preparation, and the general requirements for graduation.

When a student applies for graduation, he must indicate which degree he seeks.

A student who has received one bachelor's degree from Illinois State University, or from another college or university accredited for baccalaureate degrees by the appropriate regional accrediting association, may receive a second bachelor's degree at Illinois State University, provided that all specified requirements for the second degree are met, and provided also that the program of studies completed for the second degree includes at least thirty-two semester hours of work not counted for the first degree. At least twenty-four of the thirty-two hours of work offered toward the second degree must be senior college level.

## GENERAL REQUIREMENTS FOR GRADUATION

Meeting graduation requirements is each student's responsibility. He should, therefore, check his program of courses frequently to be sure that he is fulfilling the requirements as he goes along.

For a student in regular attendance during at least one term of each academic year, the requirements for graduation are those specified in the catalog for the year the student entered the University. If his attendance is not continuous, a student must meet the new requirements as specified in later catalogs. If such a student continues in the curriculum that he chose originally, the credits which he earned in meeting the requirements under an old program will apply in a revised program. In all instances, the University may adjust graduation requirements to insure that each graduate of a teacher preparation curriculum meets the course requirements for an Illinois Teaching Certificate.

During the early part of a student's senior year, the Office of Admissions and Records will inform the student of the graduation requirements still to be fulfilled.

Each student should apply for graduation on the date specified in the instructions for registration and in the University calendar. He must pay a \$10 graduation fee when he applies, unless the fee is covered by a State Scholarship.

Specific course requirements are shown in the sections *Curricula of the University and Colleges, Departments and Course Offerings*.

The following graduation requirements apply to all students:

1. A student must have a minimum of 128 semester hours of credit. Some curricula or combinations of fields require more. If all specified requirements are completed with fewer than 128 semester hours, a student must elect sufficient work to total at least 128.
2. The senior college hours (courses numbered 200 or above) must total at least 43.
3. The grade point average for all work taken at Illinois State University must be 2.0 (C) or higher. In addition, the student must have a grade point average of 2.0 (C) or higher in the major field and in the minor field.
4. Each I (incomplete) must be removed at least six weeks before the June commencement or two weeks before August graduation.
5. The residence requirement is as follows: one-half of the last two years and the last class must be completed with this university (campus or extension). At least 32 semester hours must be completed on the campus.



6. Each student must pass an examination on the Constitution of the United States and the State of Illinois and on the proper use of the American flag. It is given on five different dates throughout the year as listed on the Instructions for Registration for each semester and for the eight-week summer session. It is also administered to all students enrolled in Political Science 105. A student may also meet this requirement by presenting certification of having passed an appropriate examination at another accredited Illinois college or university.
7. A student may not present for graduation more than 32 semester hours by extension and correspondence. Of the 32 hours, not more than 16 semester hours by correspondence will be accepted.
8. Not more than 6 semester hours of workshop credit will be accepted for graduation.



# *The Undergraduate Curricula of the University*

## GENERAL EDUCATION

Each student seeking a bachelor's degree must complete 52 semester hours in courses designated as General Education. The courses are divided into six groups and are designated within these groups as follows:

### **Group I. Communications 6 sem. hrs.**

English 101  
Speech 110

### **Group II. Social and Behavioral Sciences 12 sem. hrs.**

Twelve semester hours of credit must be earned in at least three out of the five following areas:

- A. Economics 100, 101, 210, 215, 225, 372.
- B. Political Science 105, 261, 262, 241, 251, 311, 312, 315, 363, 368, 392.
- C. Psychology 111, 131, 232, 301, 302.
- D. Sociology 106, 131, 160, 261, 262, 264, 268, 312, 370.
- E. Anthropology 181, 281.

### **Group III. Humanities 14 sem. hrs.**

- A. Literature and Foreign Languages (3 to 9 hrs. of which 3 must be in literature):  
Foreign Languages 111\*, 112, 113, 114, 115, 116, 118, and literature courses numbered 200 or higher.  
English 104, 105, 110, 130, 150, 213, 214, 215, 216, 217, 218, 219, 220, 222, 223, 224, 231, 232, 233, 234, 235, 251, 252, 254, 255, 285, 286.
- B. Fine Arts (2 to 5 hrs. of which no more than 3 may be taken in one of the three following areas):  
Art 100, 150, 155, 156, 250, 370.  
Music 100, 101, 102, 103, 104, 151, 152, 250, 252, 253, 254, 255, 256, 351.  
Theatre 130, 250, 333, 335, 345.
- C. History and Philosophy (3 to 9 hrs. of which at least 3 must be taken in non-U.S. History):  
History 123, 124, 125, 135, 136, all 200-level courses except 237, 292, 295.  
Philosophy 100, 110, 120, 130, 210, 231, 232, 254, 255, 261, 262, 280, 302, 303, 310.

\*A student must complete both semesters of the first year of a foreign language to receive credit toward graduation.

**Group IV. Natural Sciences and Mathematics 12 sem. hrs.**

Students must earn credit in at least three out of the following five areas with at least one laboratory course:

Biological Sciences 100, 121, 122, 123, 181, 182, 190, 191, 192, 201, 260, 294.

Chemistry 100, 100A-100B, 104, 110, 111, 112, 113, 140, 141, 150.

Geography-Geology 100, 105, 110, 115, 120, 175, 180, 185, 275.

Mathematics 101, 107, 108, 110, 112, 115, 116.

Physics 100, 100A-100B, 101, 102, 105, 106, 108, 109, 110, 111, 215.

**Group V. Physical Education 3 sem. hrs.**

Health and Physical Education—Women 100 through 149.

Health and Physical Education—Men 101 through 149. (100 for men whose activities are limited by decision of the University Health Service. 151, 152, 153, 154 for physical education majors and minors only.)

**Group VI. Electives 5 sem. hrs.**

A student may not choose courses from his major or minor fields to satisfy Group VI requirements.

All courses designated above are included in this group in addition to:

Biology 102, 145.

Business Administration 141, 142.

Business Education 111.

Education (231, 328, 335, 336 for students not in teacher education).

Geography 130, 135, 200, 205, 210, 215, 220, 225, 230, 240, 245, 250, 255, 260.

Health and Physical Education 261, 262, 340, 361, 363.

Home Economics 132.

Industrial Technology 127, 163.

Library Science 115, 120.

Mathematics 100.

Speech 125, 141, 160, 223, 300, 321, 324, 328, 360.

Any student transferring to Illinois State University between June, 1968, and June, 1969, shall have the option of satisfying general education requirements under the college catalog of 1967-68 or the above program.

A student enrolled in the University prior to June, 1968, may choose to meet the general education requirements of the catalog in effect at the time of his admission to the University or he may choose to meet the requirements as specified in this catalog. If he chooses the latter option, he should ask his academic adviser to report this fact to the Office of Admissions and Records.

On occasion, the University will offer Selected Studies courses which will satisfy requirements in some of the above groups. For offerings in this category, see the General Studies classification in the Semester Class Schedule.

**MAJORS AND MINORS**

Each degree candidate must complete a major in one field and a minor in another. If he completes a comprehensive field as offered in some departments, however, no minor field is required. A minor field is not required in Elementary



Education, in Special Education, or in the Junior High School teacher preparation curriculum. If a student is in a program of teacher education, both the major and the minor must be teaching fields. If a student is not in a program of teacher education, both the major and the minor must be non-teaching.

The specific requirements for majors, comprehensive majors, and minors in each department are shown before each department's listing of courses.

Following are the areas offering majors, minors and comprehensive majors and the degree options for each field. Unless otherwise noted, each area offers a major and a minor but not a comprehensive major.

<i>Field</i>	<i>Degrees Offered</i>
Accounting <sup>3</sup>	B.S.
*Agriculture <sup>1</sup>	B.S., B.S. in Ed.
*Art <sup>1</sup>	B.A., B.S., B.S. in Ed.
*Audiovisual Instruction (minor only)	— — —
*Biological Science <sup>1</sup>	B.A., B.S., B.S. in Ed.
Business Administration <sup>3</sup>	B.S.
*Business Education <sup>1</sup>	B.A., B.S., B.S. in Ed.
*Chemistry	B.S., B.S. in Ed.
*Dance Education — Physical Education <sup>3</sup>	B.A., B.S., B.S. in Ed.
*Economics	B.A., B.S., B.S. in Ed.
*English (including Journalism)	B.A., B.S., B.S. in Ed.
*French (see Foreign Languages)	B.A., B.S., B.S. in Ed.
*General Science <sup>5</sup>	— — —
*Geography-Geology	B.A., B.S., B.S. in Ed.
*German (see Foreign Languages)	B.A., B.S. in Ed.
*Health and Physical Education for Men <sup>4</sup>	B.A., B.S., B.S. in Ed.
*Health and Physical Education for Women <sup>1, 4</sup>	B.A., B.S., B.S. in Ed.
*Health Education <sup>4</sup> (see Biological Sciences)	B.S. in Ed.
*History	B.A., B.S., B.S. in Ed.
*Home Economics <sup>1</sup>	B.A., B.S., B.S. in Ed.
*Industrial Technology <sup>1</sup> (including Safety and Driver Education)	B.S., B.S. in Ed.
*Journalism (minor only)	— — —
*Latin (see Foreign Languages)	B.A., B.S., B.S. in Ed.
*Library Science <sup>4</sup>	B.S. in Ed.
*Mathematics <sup>1</sup>	B.A., B.S., B.S. in Ed.
*Music <sup>1</sup>	B.A., B.S., B.S. in Ed.
Philosophy (minor only)	— — —
*Physical Sciences <sup>3</sup> (see Chemistry and Physics)	B.S., B.S. in Ed.
*Physics	B.S., B.S. in Ed.
*Political Science	B.A., B.S., B.S. in Ed.
*Psychology	B.A., B.S., B.S. in Ed.
*Russian (see Foreign Languages)	B.A., B.S. in Ed.
*Social Sciences <sup>2</sup>	B.A., B.S., B.S. in Ed.
*Sociology-Anthropology	B.A., B.S., B.S. in Ed.
*Spanish (see Foreign Languages)	B.A., B.S., B.S. in Ed.
*Speech	B.A., B.S., B.S. in Ed.

\*Each major marked with an asterisk (\*) is available as a teaching field in the teacher education program.

<sup>1</sup>Comprehensive major is offered in addition to a major and a minor.

<sup>2</sup>Comprehensive major only; no minor or regular major.

<sup>3</sup>Comprehensive major and minor only; no regular major.

<sup>4</sup>Major and minor available only in teacher education programs.

<sup>5</sup>Neither a major nor a minor is offered in General Science, but a student may be certified for teaching in this field by completing 24 semester hours in the sciences, including at least 8 semester hours each in Physical Science and Biological Science. General Chemistry 140 and 141, or General Physics 108 and 109, and Biological Science 121 and 190 are recommended to students wishing to qualify in this field.

## *Colleges, Departments, Course Offerings*

### SEMESTER PLAN

The University operates on the semester plan. The value of courses is, therefore, in terms of semester hours. A semester hour is assigned for a fifty-minute period of lecture or recitation for a semester of 18 weeks. In laboratory courses, at least two fifty-minute periods are necessary for a semester hour.

### COURSE NUMBERING SYSTEM

- 100–199 Junior college (lower division) courses for freshmen and sophomores.
- 200–299 Senior college (upper division) courses for juniors and seniors. A student must have 60 semester hours to take courses at this level.
- 300–399 Advanced undergraduate and graduate courses. Courses at this level are open to juniors, seniors, and graduate students.
- 400–499 Graduate courses. For further information concerning graduate courses, consult the annual Graduate Catalog.

This *Undergraduate Catalog* contains courses numbered 100–399. The *Graduate Catalog* contains courses numbered 300–499.







# *College of Applied Science and Technology*

## *Departments:*

*Agriculture*

*Health and Physical  
Education for Men*

*Health and Physical  
Education for Women*

*Home Economics*

*Industrial Technology*

The College of Applied Science and Technology is composed of the Departments of Agriculture, Health and Physical Education for Men, Health and Physical Education for Women, Home Economics, and Industrial Technology. Each of the departments offers programs in teacher education to meet the demand for teachers in secondary schools, post high school technical schools and in-plant industrial training programs. The departments of Health and Physical Education for Men, Health and Physical Education for Women, Home Economics and Industrial Technology offer graduate programs with a college teaching option to provide teachers for the junior colleges as well as four-year degree-granting institutions.

In addition to teacher education programs the departments in the College of Applied Science and Technology are developing new programs in agriculture-related occupations, dietetics, institutional management, computer technology and industrial-technical occupations.

# Agriculture

*Head of the Department:* Harvey S. Woods. Office: Turner Hall 132.

The major and minor fields in Agriculture are offered to students seeking arts and sciences degrees as well as degrees in teacher education.

## COMPREHENSIVE MAJOR IN AGRICULTURAL SCIENCES

Courses in agriculture must total 55 semester hours, including Agriculture 110, 130, 150, 170 and 257. Courses required outside the agriculture department are Biological Sciences 121 or 190 and five hours of Chemistry. The semester hours in agriculture needed to complete the comprehensive major are distributed as follows:

	Comprehensive Major	Comprehensive Major- Teacher Education
Agronomy	12	12
Agricultural Economics	8	8
Animal Science	13	13 (Including 280)
Agricultural Mechanics	6	9
Agricultural Education	—	5
Electives in Agriculture	16	8
	---	---
Total hours in Agriculture	55	55

A student who completes this comprehensive major in a program of teacher education is not required to take Education 231. Students who complete a program of teacher education with this comprehensive major will be certified for teaching agriculture occupations programs (vocational agriculture).

Agriculture 295 and 396 will not count toward a comprehensive major for students seeking an Arts and Science degree.

## MAJOR IN AGRICULTURE

Courses in agriculture must total 36 semester hours. The following specific courses are required: Agriculture 110, 130, 150 and 170. One additional course is required in each of three specialized areas (Agricultural Economics, Agricultural Mechanics, Agronomy and Animal Science). Courses required outside the agriculture department are: Biological Science 121 or 190 and five hours of Chemistry.

## MINOR IN AGRICULTURE

Courses in agriculture must total 24 semester hours. The following specific courses are required: 110, 130, 150 and 170.

## COURSES IN AGRICULTURE

### 110 INTRODUCTORY AGRICULTURAL ECONOMICS 3 sem. hrs. (Formerly 111)

Fundamental principles of economics in application to agriculture, agriculture finance, prices, taxation, marketing, and land use.

### 130 INTRODUCTION TO AGRICULTURAL MECHANICS 3 sem. hrs.

The place of mechanics in agriculture. Examples, problems, discussion and laboratory exercises pointing to present and future mechanics applications in agriculture. Students who have taken Agriculture 135 may not take this course for credit.

### 150 INTRODUCTION TO PLANT SCIENCE 4 sem. hrs.

Survey of the fundamentals of plant science. Involves importance, classification, distribution and production practices of the major crops of the world. Students who have taken Agriculture 121 and/or 126 may not take this course for credit.

### 170 INTRODUCTION TO ANIMAL SCIENCE 4 sem. hrs. (Formerly 115)

Survey of the fundamentals of animal science. Involves breeding, selection, genetics, nutrition, physiology and production of beef cattle, dairy cattle, sheep, swine, poultry and horses.

### 171 LIVESTOCK FEEDING PRINCIPLES 3 sem. hrs. (Formerly 116)

Classes of feeds, nutrients, and their functions in the animal body; nature and extent of demands for feeds for maintenance, growth, fattening, milk, wool, and work; choice of feeds and the compounding of rations. Prerequisite: Agriculture 170.

### 213 FARM MANAGEMENT 3 sem. hrs.

Factors of production, such as equipment, labor distribution, cropping systems, and soils; organization and operation; types of farming.

### 214 AGRICULTURE MARKETING 3 sem. hrs.

Machinery of markets, price-making forces, reasons for existing practices, marketing services, cooperative marketing, and agriculture credit facilities.

### 216 FARM ACCOUNTING 2 sem. hrs.

Application of accounting principles and forms to the farm business. Attention given to farm financial records, feed records, labor records, production records, breeding records, inventories, and methods of determining livestock and crop production costs.

### 231 AGRICULTURAL CONSTRUCTION AND MAINTENANCE 3 sem. hrs. (Formerly 135)

Selection, use and maintenance of hand and power tools and equipment for construction and maintenance in agriculture; shop organization; shop safety; practical exercises and projects to develop essential skills. Prerequisite: Agriculture 130.

### 232 FARM MACHINERY AND TRACTORS 3 sem. hrs.

Design, construction, purchase, adjustment, operation, maintenance, and repair of field machinery and tractors.

### 234 SOIL AND WATER CONSERVATION 3 sem. hrs.

Drainage, soil erosion control and water conservation on farms; planning, materials, construction, repair, and adaptation of structures to farm needs.

### 235 FARM UTILITIES 3 sem. hrs.

The application of electricity for light, heat, and power on farms, with emphasis on the principles of operation, selection, and installation of electrical equipment for the farmstead. Planning and laying out adequate water supply and sewage systems for the farm. Prerequisite: Agriculture 130.



**240 AGRICULTURAL POWER SYSTEMS 3 sem. hrs.**

Operation, testing and analysis, maintenance and servicing of gasoline and diesel engines, hydraulics, power train systems, and electric motors utilized in agriculture. Prerequisite: Agriculture 232.

**250 GRAIN AND SOYBEAN PRODUCTION 3 sem. hrs.**

Principles of planting, cultivating and harvesting grain and soybeans; control of diseases, insects, pests and weeds. Students who have taken Agriculture 121 may not take this course for credit. Prerequisite: Agriculture 150 and Biological Science 121.

**251 FORAGE CROP PRODUCTION 3 sem. hrs.**

Characteristics, utilization and production of principal forage plants. Management of meadows or pastures based on recent literature and experimental data. Prerequisite: Biological Science 121, Agriculture 150.

**252 ORNAMENTAL HORTICULTURE 3 sem. hrs.**

General cultural techniques of selection, propagating and managing ornamental plants. Students who have taken Agriculture 126 may not take this course for credit. Prerequisite: Agriculture 150 and Biological Science 121.

**257 SOIL SCIENCE 5 sem. hrs. (Formerly 208)**

Origin and formation, physical and chemical properties, moisture relationships, liming and fertilizing soils. Laboratory practice in chemical and physical tests of soils. Prerequisite: Five hours of Chemistry.

**272 AGRICULTURAL GENETICS 3 sem. hrs. (Formerly 105)**

A study of heredity, variation and development of domesticated plants and animals. Includes Mendelian genetics, mutations, linkage, quantitative inheritance and population genetics. Prerequisite: Biological Science 121 or 190, Agriculture 170 and 150, or consent of instructor.

**274 INTRODUCTION TO DAIRYING 4 sem. hrs. (Formerly 119)**

The dairy industry, breeds, selection, judging, care and management of dairy cattle, quality milk production, milk products and milk testing. Prerequisite: Agriculture 171.

**276 PORK PRODUCTION 3 sem. hrs. (Formerly 225)**

Selection of breeds; care and management of breeding herd; care and feeding of growing and fattening pigs; McLean County Hog Sanitation Program; principles of selecting and judging swine for breeding and marketing. Prerequisite: Agriculture 171.

**277 SHEEP PRODUCTION 3 sem. hrs.**

Breeding, feeding and management practices essential for economical production of the farm sheep flock, production testing techniques, lamb feeding and associated aspects. Prerequisite: Agriculture 171.

**278 BEEF PRODUCTION 3 sem. hrs. (Formerly 227)**

Beef cattle industry; care and management of the breeding herd; care and feeding of fattening cattle; buildings and equipment; the fitting of cattle for show and sale. Prerequisite: Agriculture 171.

**279 POULTRY PRODUCTION 4 sem. hrs. (Formerly 228)**

Selection of building site, housing, fixtures for poultry houses, choosing of breeds; management, feeding, and improvement of laying and breeding flock; selection, care, and incubation of eggs; brooding and growing chicks; marketing of products. Prerequisite: Agriculture 170.

**280 LIVESTOCK SELECTION 3 sem. hrs. (Formerly 229)**

Fundamentals of livestock judging and its relation to production, marketing, and showing, individual scoring and comparative judging, show-ring practices, judging contests, breed and variety characters.

**282 LIVESTOCK HEALTH AND DISEASES 3 sem. hrs.**

Animal physiology, anatomy, sanitation, and diseases of the domesticated species of livestock. Includes contagious, infectious and metabolic diseases; their prevention and control. Prerequisite: Biological Science 190; Agriculture 171; or consent of instructor.

**288 ADVANCED LIVESTOCK SELECTION 3 sem. hrs. (Formerly 239)**

Continuation of Livestock Selection 280. Judging various species of livestock in relation to their functions in the show ring and on the market; examination and evaluation of carcasses. Prerequisite: Agriculture 280.

**295 SUMMER EXPERIENCE IN AGRICULTURE EDUCATION 3 sem. hrs.**

Experience in the summer work of a vocational-agriculture teacher; planning summer work, planning adult agriculture farmer classes, working with school-sponsored organizations, becoming acquainted with sectional activities, methods of supervising the farming programs, studying the community, orientation to facilities in the school and department of agriculture, attending the workshop for teachers and observation of the first week of school. Usually offered the last two weeks of August through the first week of September.

**302 SPECIAL PROBLEMS IN AGRICULTURE 1-3 sem. hrs.**

Special work in fields represented by the research interests of the staff. Assignments depend upon the students' background and interest. Projects must be approved by the staff members and the Head of the Department. This course may be repeated for a total of not more than six semester hours. Prerequisite: Comprehensive major, major, or minor in agriculture.

**303 SEMINAR IN AGRICULTURE 1 sem. hr.**

This course is available to students in agriculture with senior or graduate standing, who wish to pursue in detail a particular area of interest within the discipline of agriculture. Prerequisite: Senior or graduate standing.

**304 SELECTED STUDIES IN AGRICULTURE 1-6 sem. hrs.**

The field of study will vary each semester according to the needs and interests of students and the availability of instructors. Provided different material is covered, the course may be taken more than once. Prerequisite: Consent of instructor.

**314 GRAIN MARKETING 2 sem. hrs.**

Economics and marketing problems in grain and grain production; pricing arrangements, especially futures markets; inventory management; operational problems; factors affecting markets and prices for grain. Prerequisite: Agriculture 214.

**316 LIVESTOCK MARKETING 2 sem. hrs.**

Economic principles applied to marketing of livestock and livestock products. Consideration given to producers, processors, and distributors. Evaluation of marketing system and functions and the effect of changes on the system. Prerequisite: Agriculture 214.

**345 AGRICULTURAL ACCIDENT PREVENTION 3 sem. hrs.**

The study of accident prevention and the need for such training in agriculture; major areas of emphasis to include theories of accident causation and prevention applicable to agricultural accidents. Same as Industrial Technology 373. Prerequisite: Psychology 111.

**352 TURF MANAGEMENT 3 sem. hrs.**

A study of the principles and practices used in the management of the turfgrasses in the areas of general and special use. Prerequisite: Biological Science 121, Agriculture 150.

**355 PLANT BREEDING 3 sem. hrs.**

A study of reproduction and the basic principles of genetics as related to plant breeding procedures. Emphasis on breeding procedures and techniques used in developing new varieties of field crops. Prerequisite: Agriculture 272.

**357 SOIL FERTILITY AND FERTILIZERS 3 sem. hrs.**

A study of the fundamental concepts of soil fertility and fertilizer manufacturing. Emphasis on plant nutrition, factors affecting plant growth, soil-plant relationships, and macro-and-micro-nutrients. Prerequisite: Agriculture 257, 10 hours of Chemistry.

**372 LIVESTOCK BREEDING 3 sem. hrs.**

Reproduction and principles of heredity and their application to livestock breeding; population genetics, inbreeding, relationship, outbreeding and selection as related to animal improvements. Prerequisite: Agriculture 272.

**373 REPRODUCTIVE PHYSIOLOGY AND MILK SECRETION 3 sem. hrs.**

Information on the process of reproduction in livestock along with the anatomy of the reproductive and hormonal systems of the different species; the physiological and hormonal aspects of lactation. Prerequisite: Agriculture 171 and 272.

**374 DAIRY CATTLE FEEDING AND MANAGEMENT 3 sem. hrs.**

The feeding and management of dairy cattle as they relate to an economic dairy farm operation. Prerequisite: Agriculture 274.

**375 ANIMAL NUTRITION 3 sem. hrs.**

Science of animal nutrition with special attention to recent discoveries pertaining to the protein, mineral and vitamin requirements of livestock. Prerequisite: Agriculture 276 or 277 or 278.

**396 METHODS AND PROCEDURES IN AGRICULTURAL EDUCATION**

**5 sem. hrs. (Formerly 296)**

Procedures in planning a complete program of agricultural education; methods and procedures of teaching and evaluating high school, area centers and adult education programs in agriculture, guidance and counseling responsibilities for high school and adults; providing and using equipment, supplies and teaching aids; keeping records, preparing budgets and inventories and making reports. Prerequisite: Education 216.

## *Health and Physical Education*

*Head of the Department for Men:* Arley F. Gillett. Office: Horton Physical Education Building 203A.

*Head of the Department for Women:* Phebe M. Scott. Office: McCormick Hall 101C.

### **MEN: MAJOR IN HEALTH AND PHYSICAL EDUCATION**

Courses in Health and Physical Education must total 37 semester hours. The following specific courses are required: 150, 151, 152, 153, 154, 181, 182, 242, 282, 341, 347. It is recommended that one semester hour in folk and social dance be completed.



**MEN: MINOR IN HEALTH AND PHYSICAL EDUCATION**

Courses in Health and Physical Education must total 24 semester hours. The following specific courses are required: 150, 151, 152, 181, 182, 208, 242, 341.

**WOMEN: MAJOR IN HEALTH AND PHYSICAL EDUCATION**

Courses in Health and Physical Education must total 37 semester hours. The following specific courses are required: 120, 123, 137, 160, 162, 181, 182, 221, 235, 242, 282, 341, 347, 360, 383, and a minimum of seven semester hours selected from majors' sections of 100-136.

**WOMEN: COMPREHENSIVE MAJOR IN HEALTH AND PHYSICAL EDUCATION**

Courses in Health and Physical Education must total 50 semester hours. The following specific courses are required: 120, 123, 137, 160, 162, 181, 182, 221, 235, 242, 280, 282, 341, 347, 360, 383, and a minimum of seven semester hours selected from majors' sections of 100-136.

**WOMEN: MINOR IN HEALTH AND PHYSICAL EDUCATION**

Courses in Health and Physical Education must total 22 semester hours. The following specific courses are required: 120, 137, 160, 222 or 223, 235, 242, 341, 360, and a minimum of seven semester hours selected from major sections of 100-136.

**MEN AND WOMEN: COMPREHENSIVE MAJOR IN DANCE EDUCATION—PHYSICAL EDUCATION**

Courses in Dance Education and Health and Physical Education must total 50 semester hours. The following specific courses are required: 120, 121 or 122, 123, 124; four semester hours selected from 151-154 (men), or 137 and three semester hours selected from sports courses numbered 100-149 (women); 160, 162, 163, 181, 182, 221, 235, 242, 261, or 262, 282, 341, 360, 361, 363, 364, 383, one course in swimming, a laboratory course in stagecraft, and six semester hours of electives in dance courses.

**MEN AND WOMEN: MINOR IN DANCE EDUCATION**

Courses must total 22 semester hours.

For women with a major in health and physical education, the following specific courses are required: 124, 361, 363, a minimum of four hours elected from dance courses beyond those required for the major, and thirteen hours of guided electives in at least two related fields outside of the major.

For all other students, the following specific courses are required: 120, 123, 124, 160, 162, 181, 182, 282, 360, 361, 363, and two semester hours of electives in dance courses.

### **COURSES IN HEALTH AND PHYSICAL EDUCATION— GENERAL EDUCATION**

The program offers classes for men only, for women only, and for men and women (co-educational). These are indicated in the following sections.

#### **COURSES FOR MEN ONLY**

**100 ADAPTED RECREATIONAL ACTIVITIES 1/2 sem. hr.**

Provision for the recreational and activity needs of those limited in participation by ruling of the University Health Service.

**101 ARCHERY I 1/2 sem. hr.**

Beginning course in archery stressing individual skills.

**102 BADMINTON I 1/2 sem. hr.**

Practical course in badminton arranged primarily for the beginning player.

**103 BASKETBALL I 1/2 sem. hr.**

Emphasis is upon the play of the individual and development of individual skills.

**104 WATER POLO I 1/2 sem. hr.**

An introductory course in the sport of water polo, which stresses the fundamentals of ball handling and individual skills of the game.

**105 WATER POLO II 1/2 sem. hr.**

A continuation of Water Polo I, with an emphasis on team play and official rules of the game. Prerequisite: Health and Physical Education for men 104.

**106 GOLF 1/2 sem. hr.**

Practical course in golf arranged primarily for the beginning player.

**107 GOLF II 1/2 sem. hr.**

This class is for the individual who has played considerable golf, and is designed to refine and perfect the basic strokes.

**110 SOCIAL GAMES FOR RECREATION 1/2 sem. hr.**

Activities for social gatherings and parties and entertainment for school and community groups.

**111 SOFTBALL I 1/2 sem. hr.**

Practicing the fundamentals of individual and team play.

**112 SOCCER I 1/2 sem. hr.**

Emphasis is upon the play of the individual and development of individual skills.

**113 TENNIS I 1/2 sem. hr.**

Beginning course in tennis stressing individual skills.

**114 TENNIS II 1/2 sem. hr.**

Advanced course in tennis with emphasis on singles and doubles play. Open only to those who have completed Health and Physical Education 113.

**115 TOUCH FOOTBALL I 1/2 sem. hr.**

Practice and the development of fundamental skills in football types of games.

**116 VOLLEYBALL I 1/2 sem. hr.**

Practicing the fundamentals of individual and team play.

**117 WEIGHT LIFTING I 1/2 sem. hr.**

Beginning course in weight lifting stressing fundamentals and variety of experiences for body conditioning and improvement.

**118 WRESTLING I 1/2 sem. hr.**

Instruction and practice in beginning skills of wrestling.

**119 WRESTLING II 1/2 sem. hr.**

Instruction and practice in the advanced skills and techniques of wrestling. Prerequisite: Health and Physical Education 118.

**127 SWIMMING I 1/2 sem. hr.**

Open only to non-swimmers. Introduction to swimming. Special attention to individual needs.

**128 SWIMMING II 1/2 sem. hr.**

For beginners and low intermediates who need additional instruction and practice in shallow water. Opportunity to earn the American Red Cross Advanced Beginner and Intermediate Certificates. Beginning Swimming I not a prerequisite.

**129 SWIMMING III 1/2 sem. hr.**

For deep water swimmers to develop and refine basic strokes and other aquatic skills. Introduction to springboard diving. Opportunity to earn the American Red Cross Intermediate and Swimmers Certificates.

**130 SWIMMING IV 1/2 sem. hr.**

For the swimmer to learn advanced strokes, to refine basic strokes, and increase endurance. Introduction to competitive swimming. Opportunity to earn the American Red Cross Advanced Swimmers Certificate if a current Senior Life Saving Certificate is held.

**135 DIVING I 1/2 sem. hr.**

Instruction and practice in the competitive aspect of one and three meter diving—Prerequisite: ability to swim in deep water.

**136 DIVING II 1/2 sem. hr.**

A continuation of Health and Physical Education for men 135 (Diving I) with emphasis on more difficult dives. Both one and three meter boards will be used. Prerequisite: Diving I or demonstrated diving ability.

### COURSES FOR WOMEN ONLY

**100 ARCHERY I 1/2 sem. hr.**

An introduction to the skills and techniques of target shooting at 20, 30, and 40 yards.

**A 100 ARCHERY II 1/2 sem. hr.**

Designed for students who have had experience in target shooting. The course emphasizes refinement of shooting skills, an opportunity to shoot from 30, 40 and 50 yards, and to participate in tournament.

**101 BADMINTON I 1/2 sem. hr.**

An introduction to the basic skills of badminton, including the clear, drop, smash, drive and serve. Emphasis is on doubles play.

**A 101 BADMINTON II 1/2 sem. hr.**

Provides opportunities for refinement of fundamental skills and introduces advanced techniques and strategy. Emphasis is on singles play and tournament competition.

**102 BASKETBALL I 1/2 sem. hr.**

An introduction to the basic techniques of shooting and guarding, with emphasis on individual skill development and basic team play.

**103 BILLIARDS I 1/2 sem. hr.**

An introduction to the fundamentals of pocket billiards, including stance, use of bridges, principles and angles and spins.



**104 BODY MECHANICS I 1/2 sem. hr.**

Provides experiences related to physical development and maintenance, and mechanical efficiency in daily life. Opportunities are provided for discussions and exercises related to conditioning, posture, weight normalizing and relaxation.

**A 104 BODY MECHANICS II 1/2 sem. hr.**

For students who have a need to continue directed body mechanics activities under guidance. Prerequisite: A first course in body mechanics and permission of instructor.

**105 BOWLING I 1/2 sem. hr.**

An introduction to bowling techniques, etiquette, scoring and terminology. (Beginning students only.)

**A 105 BOWLING II 1/2 sem. hr.**

Provides opportunities for refinement of basic skills, with emphasis on spare pickups and tournament competition.

**106 CAMPCRAFT I 1/2 sem. hr.**

An introduction to knowledges and skills which pertain to family camping and outdoor living. Includes such activities as fire building, the care and purchase of camping equipment and outdoor cooking.

**107 COMPETITIVE SWIMMING 1/2 sem. hr.**

For the skilled swimmer to gain competencies in racing strokes, starts, turns, and related techniques of competition.

**108 FENCING I 1/2 sem. hr.**

An introduction to techniques for attacking an opponent, defending against opponents attack, and methods of directing and judging an official bout.

**A 108 FENCING II 1/2 sem. hr.**

Provides an opportunity for refinement of basic techniques, and includes advanced attack and defense skills. Added emphasis is on tournament competition, directing and judging.

**109 FIELD HOCKEY I 1/2 sem. hr.**

Introduction to basic skills and knowledges of a field game in which players utilize primarily a stick to advance the ball for scoring purposes.

**110 FIGURE SKATING I 1/2 sem. hr.**

Introduces the fundamentals of stroking for forward and backward skating, stopping and turning. Basic figure skating techniques will be emphasized.

**111 GOLF I 1/2 sem. hr.**

Introduces beginning skills and knowledges. Primary emphasis is placed on the development of the full swing, with an introduction to approach shots and putting.

**A 111 GOLF II 1/2 sem. hr.**

Provides an opportunity to refine basic skills and to become more acquainted with course play, unusual conditions, and competitive events. Classes will meet primarily at the university golf course.

**112 GYMNASTICS I 1/2 sem. hr.**

An introduction to basic skills on selected apparatus such as balance beams, uneven parallel bars, vaulting and floor exercises. May include opportunities for stunts and tumbling.

**A 112 GYMNASTICS II 1/2 sem. hr.**

Provides an opportunity to refine basic skills in gymnastics and offers advanced training on selected apparatus. May include advanced skills in stunts and tumbling.

**113 MOVEMENT SKILLS I 1/2 sem. hr.**

An introduction to the fundamentals and movement patterns appropriate for effective performance on dance and sport. The course is designed to give the student an understanding of why and how they move, and the forces that effect this movement.

**114 RECREATIONAL GAMES I 1/2 sem. hr.**

This course provides students with a general orientation to recreational games, and includes such activities as table tennis, aerial darts, deck tennis, etc.

**115 RHYTHMIC GYMNASTICS I 1/2 sem. hr.**

Provides an opportunity to develop gymnastic routines with the use of selected equipment such as hoops, ropes and balls.

**116 SOFTBALL I 1/2 sem. hr.**

An introduction to the basic skills and rules of softball. Team play and individual skill development are stressed.

**A 116 SOFTBALL II 1/2 sem. hr.**

For the student who has had previous experience in softball, whether on the high school or college level. Opportunities are provided for learning advanced techniques with special emphasis on improvement of skill and team play.

**117 SPEEDBALL I 1/2 sem. hr.**

Introduction to basic skills and knowledges of a field game in which the skills of soccer and basketball are combined for scoring purposes.

**118 SPRINGBOARD DIVING I 1/2 sem. hr.**

Introduces beginning dives from the board. Students progress according to individual abilities. Prerequisite: A good standing dive from the side of the pool.

**A 118 SPRINGBOARD DIVING II 1/2 sem. hr.**

For the swimmer who has completed Beginning Diving or has both knowledge and ability of fundamental springboard diving. Emphasis is on learning and performing more advanced dives executed from the board.

**119 TENNIS I 1/2 sem. hr.**

This course introduces the basic tennis skills, including the forehand and backhand drives, the volley and the serve. Emphasis is on doubles play.

**A 119 TENNIS II 1/2 sem. hr.**

Provides opportunities for the refinement of fundamental skills and introduces advanced strokes and strategy. Emphasis on both singles and doubles play.

**126 TRACK AND FIELD 1/2 sem. hr.**

An introduction to the skills and principles of efficient running, throwing and jumping with an opportunity to perform such activities as dashes, shot put, jumping and hurdling in a class track meet.

**127 SWIMMING I 1 sem. hr.**

Open only to non-swimmers. Introduction to swimming. Special attention to individual needs. Opportunity to earn the American Red Cross Beginners Certificate.

**128 SWIMMING II 1 sem. hr.**

For beginners and low intermediates who need additional instruction and practice in shallow water. Opportunity to earn the American Red Cross Advanced Beginner and Intermediate Certificates. Swimming I is not a prerequisite.

**129 SWIMMING III 1 sem. hr.**

For deep water swimmers to develop and refine basic strokes and other aquatic skills. Introduction to springboard diving. Opportunity to earn the American Red Cross Intermediate and Swimmer Certificates.

**130 SWIMMING IV 1 sem. hr.**

For the swimmer to learn advanced strokes, to refine basic strokes, and increase endurance. Introduction to competitive swimming. Opportunity to earn the American Red Cross Advanced Swimmer Certificate if a current Senior Life Saving Certificate is held.

**133 SELECTED ACTIVITIES 1/2 sem. hr.**

Selected beginning and/or intermediate activities offered as experimental programs.

**135 TRAMPOLINE AND TUMBLING 1/2 sem. hr.**

An introduction of basic tumbling and trampoline skills. Students are encouraged to progress at their level of ability, and opportunities to create routines are provided.

**136 VOLLEYBALL I 1/2 sem. hr.**

Introduction to basic skills and knowledges of a court game in which players utilize primarily the hands and arms to place the ball for scoring purposes.

**A 136 VOLLEYBALL II 1/2 sem. hr.**

This course is designed for students who have developed basic skills and knowledges of the game. Emphasis is on learning advanced skills and strategies.

**COURSES FOR MEN AND WOMEN (CO-EDUCATIONAL)****100 ARCHERY II 1/2 sem. hr.**

Designed for students who have had experience in target shooting. The course emphasizes refinement of shooting skills, an opportunity to shoot from 30, 40, and 50 yards, and to participate in tournaments.

**A 105 FENCING II 1/2 sem. hr.**

Provides an opportunity for refinement of basic techniques, and includes advanced attack and defense skills. Added emphasis is on tournament competition, directing and judging.

**107 GYMNASTICS I 1/2 sem. hr.**

Training in gymnastics, apparatus, stunts, and tumbling.

**108 GYMNASTICS II 1/2 sem. hr.**

Advanced training in gymnastics, apparatus, stunts, and tumbling. Prerequisite: Health and Physical Education for Men and Women 107.

**109 SAILING I 1/2 sem. hr.**

An introductory course in small craft sailing with special emphasis on the skills involved. Prerequisite: Ability to swim in deep water.

**110 SAILING II 1/2 sem. hr.**

A continuation of Health and Physical Education for Men and Women 109 with special emphasis on racing, rigging, marlinspike seamanship, safety and rescue techniques. Prerequisite: Sailing I-109.

**A 111 GOLF II 1/2 sem. hr.**

Provides an opportunity to refine basic skills and to become more acquainted with course play, unusual conditions, and competitive events. Classes will meet primarily at the university golf course.

**112 SCUBA DIVING I 1/2 sem. hr.**

An introductory course in skin and scuba diving with special emphasis on individual safety and other physical conditions involved in underwater swimming.

**113 SCUBA DIVING II 1/2 sem. hr.**

A continuation of Health and Physical Education for Men and Women 112, with emphasis being placed on the physical laws and physiological aspects of skin and scuba diving. Prerequisite: Scuba Diving I.



**114 CANOEING I 1/2 sem. hr.**

An introductory course in handling a canoe, with special emphasis on safety, as well as canoe paddling strokes. Prerequisite: Ability to swim in deep water.

**115 CANOEING II 1/2 sem. hr.**

A continuation of Health and Physical Education for Men and Women 114, with additional emphasis on strokes and skills in canoeing. One or more extended canoe trips will be a part of the course. Prerequisite: Canoeing I.

**120 SOCIAL, SQUARE AND FOLK DANCING 1 sem. hr.**

Development of knowledge and skill in folk and national dances, American country dances, and social dancing. Cultural influences in the folk arts.

**121 INTERMEDIATE SQUARE AND ROUND DANCE 1 sem. hr.**

Participation in a variety of American square and round dances for school and adult recreational groups. Opportunities for practice in square dance calling. Knowledge of cultural role of the American square dance. Prerequisite: Health and Physical Education 120.

**122 INTERMEDIATE SOCIAL AND FOLK DANCE 1 sem. hr.**

Knowledge and skill in social dance and international folk dances beyond the beginner's level. Understanding of historical and national character of the dances of a people. Prerequisite: Health and Physical Education 120.

**123 BEGINNING MODERN DANCE 1 sem. hr.**

Basic movement vocabulary with exploration in movement sequences. Individual and group studies in elements of composition. Emphasis on kinesthetic awareness of movement.

**124 INTERMEDIATE MODERN DANCE 1 sem. hr.**

More advanced techniques with special emphasis on the development of movement themes and improvisation, both individual and group. Prerequisite: Health and Physical Education 123.

**125 DANCE COMPOSITION 1 sem. hr.**

Experience in several forms of group and individual composition in dance, including a study of elements of production: choreography, costume, lighting, and stage design; utilization of varied types of accompaniment. Prerequisite: Health and Physical Education 124.

**131 SENIOR LIFE SAVING 1 sem. hr.**

For highly skilled swimmers to learn special skills for the life saving, forms of rescue techniques, and water safety procedures. Opportunity to earn American Red Cross Senior Life Saving Certificate. Prerequisite: American Red Cross Swimmers or Advanced Swimmers skill level.

**132 WATER SAFETY INSTRUCTORS COURSE 1 sem. hr.**

For highly skilled swimmers to learn class teaching procedures and to analyze swimming skills according to the American Red Cross standards. Opportunity to earn American Red Cross Water Safety Instructor's Certificate. Prerequisite: Current American Red Cross Senior Life Saving Certificate.

**134 AQUATIC ART 1 sem. hr.**

For skilled swimmers to develop specialized skills in synchronized swimming strokes and their modifications, aquatic stunts and figures, floating patterns, and individual and group studies in elements of composition. Prerequisite: Health and Physical Education 129 or American Red Cross Swimmer skill level.

**PROFESSIONAL COURSES IN HEALTH AND PHYSICAL EDUCATION—  
MEN ONLY****150 INTRODUCTION TO PHYSICAL EDUCATION 2 sem. hrs.**

A survey course directed toward a basic understanding of the function of physical education in public schools and the elements involved in the professional preparation of teachers.

**151 PHYSICAL EDUCATION ACTIVITIES I 2 sem. hrs.**

Basic seasonal developmental activities.

**152 PHYSICAL EDUCATION ACTIVITIES II 2 sem. hrs.**

Basic seasonal developmental activities.

**153 PHYSICAL EDUCATION ACTIVITIES III 2 sem. hrs.**

Continuation of Health and Physical Education 151 and 152, extending the student's knowledge and skill in a wider variety of activities.

**154 PHYSICAL EDUCATION ACTIVITIES IV 2 sem. hrs.**

Continuation of Health and Physical Education 151 and 152, extending the student's knowledge and skill in a wider variety of activities.

**201 SPORTS OFFICIATING I 2 sem. hrs.**

Instruction and practice in officiating at athletic contests in football, cross country, and other seasonal sports.

**202 SPORTS OFFICIATING II 2 sem. hrs.**

Instruction and practice in officiating at athletic contests in basketball, baseball, and other seasonal sports.

**208 INTRAMURAL MANAGEMENT 3 sem. hrs.**

Practical course, involving the management of intramural activities. Each student will be required to participate in the administration of the intramural program.

**210 BASEBALL COACHING 3 sem. hrs.**

Professional preparation of coaches in baseball.

**211 BASKETBALL COACHING 3 sem. hrs.**

Professional preparation of coaches in basketball.

**212 FOOTBALL COACHING 3 sem. hrs.**

Professional preparation of coaches in football.

**213 TRACK AND FIELD COACHING 3 sem. hrs.**

Professional preparation of coaches in track and field.

**214 WRESTLING COACHING 3 sem. hrs.**

Professional preparation of coaches in the theory and techniques of wrestling.

**PROFESSIONAL COURSES IN HEALTH AND PHYSICAL EDUCATION—  
WOMEN ONLY****137 TEACHING OF ACTIVITIES 1 sem. hr.**

An introduction to the teaching of physical education activities. Includes laboratory experience involving observation, participation, and teaching. Open only to major and minor students in Physical Education and Dance Education.

**159 OFFICIATING 1/2-1 sem. hr.**

Instruction and practice in officiating activities offered in intramural, extramural and class programs. Ratings for certification conducted by local and national boards of women's officials. May be repeated with a change of subject matter for a total of 2 semester hours.

**192 METHODS AND MATERIALS IN PHYSICAL ACTIVITIES 3 sem. hrs.**

Techniques of playing, teaching, and officiating team and individual sports. Planned primarily for the untrained teacher in physical education.

**235-236 PARTICIPATION IN TEACHING TECHNIQUES Each 1 sem. hr.**

Professional laboratory experiences involving observation, participation, and teaching with elementary and high school students. Prerequisites: Satisfactory completion of sophomore participation and Health and Physical Education 137. Open only to majors and minors in Physical Education and Dance Education.

**PROFESSIONAL COURSES IN HEALTH AND PHYSICAL EDUCATION—  
MEN AND WOMEN (CO-EDUCATIONAL)**

**160 FUNDAMENTALS OF RHYTHM 1 sem. hr.**

Study of rhythmic elements of music, exploration of traditional and experimental forms and use of sounds and silences to accompany movement, analysis of fundamental and traditional movement—rhythm patterns and relationships. Prerequisite: Health and Physical Education 120.

**162 DANCE FOR THE ELEMENTARY SCHOOL 1 sem. hr.**

Development of knowledge and skill in teaching creative rhythmic activities for elementary-school children.

**163 NOTATION I 1 sem. hr.**

Fundamentals of Labanotation which will permit the beginner to record individual steps and arm movements used in human movement. Concurrent enrollment in Health and Physical Education 124 is recommended. Prerequisite: Health and Physical Education 123.

**164 NOTATION II 1 sem. hr.**

Notation of the subtleties of movement and the recording of both individual and group movement patterns. Prerequisite: Health and Physical Education 163.

**172 CAMP LEADERSHIP 2 sem. hrs.**

Experience in woodcraft skills, crafts, outdoor cookery, overnight trips, and other basic camp craft skills. Training for camp counselorships.

**173 INTRODUCTION TO RECREATION 3 sem. hrs.**

Background, development, scope, and present status of recreation. Standards, problems, and relationships involved in public, private, and coordinated school-community programs. Survey, analysis, and evaluation of resources including areas, facilities, and leadership. The program: methods of organizing and conducting group activities.

**174 SCHOOL-COMMUNITY RECREATION 3 sem. hrs.**

Special problems in the development of school and community recreation. Practical work with such activities as games, party and outing events, crafts with simple materials, group singing, story-telling, hobby interests, and other leisure pursuits. Practical work in planning and conducting recreation.

**180 FIRST AID 2 sem. hrs.**

Accident prevention and action to be taken in cases of accident and sudden illness in the home, school, and community. Students successfully completing this course will receive standard and advanced Red Cross certificates.

**181 ANATOMY AND PHYSIOLOGY 3 sem. hrs.**

The gross structure and physiology of the human body with particular attention to the skeletal and muscular systems. Prerequisite: Sophomore standing.

**182 ANATOMY AND PHYSIOLOGY 3 sem. hrs.**

A continuation of Health and Physical Education 181. Prerequisite: Health and Physical Education 181.



**221 PHYSICAL EDUCATION FOR ELEMENTARY SCHOOLS 3 sem. hrs.**

Basis for planning a total program of physical education for elementary school children. Progressions within activities, techniques of organization, and methods of teaching appropriate for the elementary age child. Students completing this course may not enroll for Health and Physical Education 222 or 223. Open only to major and minor students in Physical Education and Dance Education.

**222 PHYSICAL EDUCATION FOR LOWER GRADES 2 sem. hrs.**

Factors essential to program planning in physical education in grades one through four. Types and progressions of activities: some participation in activities and in teaching.

**223 PHYSICAL EDUCATION FOR UPPER GRADES 2 sem. hrs.**

Factors essential to program planning in physical education in grades five through eight. Types and progressions of activities: some participation in activities and in teaching.

**230 AQUATIC PROGRAM 2 sem. hrs.**

Study and analysis of different approaches for teaching beginning, intermediate, and advanced swimming classes; organization and administration of aquatic programs; supervision of pools and waterfronts; health and safety factors. Prerequisite: American Red Cross swimmers rating or equivalent skill.

**231 SWIMMING FOR HANDICAPPED CHILDREN 1 sem. hr.**

Study of adaptations in techniques of swimming for handicapped children. Actual experience will be provided in cooperation with Red Cross in teaching swimming to the handicapped children in the community. Must have Water Safety certificate.

**242 PRINCIPLES OF HEALTH AND PHYSICAL EDUCATION 2 sem. hrs.**

Basic biological, sociological and psychological facts and principles underlying health education and physical education, including aims and objectives and the contributions to American life.

**261 DANCE FORM AND STYLE I 1 sem. hr.**

Preclassic and classic form and style. Prerequisite: Health and Physical Education 124.

**262 DANCE FORM AND STYLE II 1 sem. hr.**

Ethnic and Jazz form and style. Prerequisite: Health and Physical Education 124.

**280 INSTRUCTOR'S FIRST AID 2 sem. hrs.**

Methods and materials for teaching first aid and accident prevention. Steps to be taken in case of accidents and sudden illness in the home, school, and community. Includes standard, advanced and Instructor's Red Cross course content. Student may not receive credit for both P.E. 180 and 280.

**281 INSTRUCTOR'S FIRST AID 3 sem. hrs.**

Methods and materials for teaching first aid and accident prevention. Steps to be taken in case of accidents and sudden illness in home, school, and community. It includes standard, advanced, and instructor's Red Cross course content. Students who have had Health and Physical Education 180 or 280 may not take this course for credit. Offered in extension only.

**282 KINESIOLOGY 3 sem. hrs.**

Analysis of human motion based on anatomic and mechanical principles. Application of these principles in the teaching of physical education activities. Prerequisite: Health and Physical Education 181 and 182.

**299 INDEPENDENT HONOR STUDY 1-6 sem. hrs.**

Intensive work in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report and/or examination. Open only to resident students who have achieved superior academic records and who have demonstrated ability to profit from independent study. A maximum of six hours of credit

in independent study may be applied toward graduation. Prerequisite: Permission of the Instructor, the Head of the Department, and the Dean of the Faculties.

**304 TEACHING OF SPORTS 2 sem. hrs.**

Application of psychological and sociological principles to the teaching of selected activities; coaching techniques for advanced players; review of recent research in methods and materials in specific activities.

**321 THE ELEMENTARY SCHOOL PHYSICAL EDUCATION PROGRAM  
2 sem. hrs.**

Principles and purposes of physical education in elementary schools. Current trends in program planning, recent research, methods of evaluation, school-community co-operation. Prerequisite: Health and Physical Education 221, 222 or 223.

**340 HISTORY OF PHYSICAL EDUCATION 2 sem. hrs.**

The relationship, from ancient to modern times, between physical education and factors in society; economic, political, social, educational, and religious.

**341 ORGANIZATION AND ADMINISTRATION OF HEALTH AND  
PHYSICAL EDUCATION 3 sem. hrs.**

Factors essential to the administration and program development of health education and physical education in elementary and secondary schools.

**347 TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION 3 sem. hrs.**

Analysis of motor performance, using objective tests, subjective ratings, and achievement tests. Construction and evaluation of knowledge tests. Use of statistical concepts for interpreting test scores.

**349 APPLIED MOTOR LEARNING 3 sem. hrs.**

Presents research and theory of learning, performance, and related factors as applied to gross motor skills. Intended for teachers, coaches, and those concerned with human performance in motor activity.

**360 THE TEACHING OF DANCE 2 sem. hrs.**

Teaching methods in modern, folk, square, round, and social dance; selection, progression, and grade placement of dance materials in the secondary school and college curriculum; practice in perfecting dance techniques; evaluation of dance skills and knowledges. Prerequisite: Health and Physical Education 160.

**361 HISTORY OF DANCE I 2 sem. hrs.**

The history and development of dance as a social and cultural medium from primitive times through the nineteenth century.

**362 PRINCIPLES OF PERFORMANCE 3 sem. hrs.**

Principles governing public performance in physical education; dance, swimming, gymnastics, and other physical education activities. A survey of costuming, lighting, accompaniment, and related problems in production.

**363 HISTORY OF DANCE II 2 sem. hrs.**

Dance trends in the twentieth century; their relationships to older cultures and forms of dance and to social patterns of the present; approaches, styles, and contributions of leading dance personalities of the twentieth century. Prerequisite: Health and Physical Education 361.

**364 MUSICAL ANALYSIS FOR DANCE ACCOMPANIMENT 2 sem. hrs.**

Basic principles of accompanying modern dance; selection of appropriate music, both live and recorded, from traditional and current repertoires, for use with folk, social, and theatre forms of dance; brief history of music and music for dance.

**365 TEACHING OF THE FOLK FORMS OF DANCE 2 sem. hrs.**

Methods of teaching the folk and social forms of dance in the secondary school,

college, and recreational situation; appraisal of the patterned dances in the traditional and current repertory; sources of curricular materials from dance books, magazines, workshops, clinics, festivals, conventions, institutes, and summer schools and camps; advanced techniques in folk, round, square, and social dance; basic skills in tap dance. Prerequisite: Health and Physical Education 360.

**367 PROBLEMS IN DANCE 2 sem. hrs.**

Current problems in the teaching of dance on all levels, in the administration of dance curricula, in the organization and supervision of dance clubs and extra-curricular activities.

**368 PRACTICUM IN COMPOSITION 2 sem. hrs.**

Progressive experiences in individual and group composition; in design, rhythm, and dynamics; compositional group works based upon extensive investigation into the subject matter to be communicated. Prerequisite: previous experiences in modern dance.

**369 DANCE FOR CHILDREN 2 sem. hrs.**

Methods and materials in traditional and creative activities; movement explorations for stunts, tumbling and games; interrelationships of dance with art, music, drama, science, and other elementary school activities. Prerequisite: Health and Physical Education 162, 221 or 222.

**372 CAMP EXPERIENCE WITH PHYSICALLY HANDICAPPED 3 sem. hrs.**

Actual experience as a counselor in a summer camp for physically handicapped children. Conferences and discussions on planning the child's day; general organization of activities, camp equipment, and program. A student may enroll for credit a second time. Prerequisite: Approval of the Head of the Department of Special Education and Head of the Department of Health and Physical Education for men or women.

**373 WORKSHOP IN RECREATION AND CAMPING 3 sem. hrs.**

Preparation of materials for use in recreation and camping situations; sources for obtaining materials, and information; cooperative work among various departments and organizations. Includes crafts, music, story telling, and dramatics.

**383 BODY MECHANICS AND CORRECTIVE PROCEDURES 2 sem. hrs.**

Methods, materials, and activities appropriate for the body mechanics and adapted physical education program in elementary and secondary schools. Prerequisite: Health and Physical Education 282.

**384 ATHLETIC INJURIES 2 sem. hrs.**

Designed to familiarize the coach with the symptoms of common athletic injuries, their immediate treatment and care. Prerequisite: Health and Physical Education 182.

**385 PHYSICAL DEFECTS—SURVEY AND REHABILITATION 3 sem. hrs.**

Physical defects of handicapped children and procedures used in their rehabilitation. For those preparing to teach special classes of physically handicapped children. Includes special services, equipment, and procedures used in school programs. Lecture and laboratory. Also offered as Biological Sciences 385. Prerequisite: Health and Physical Education 282.

**386 PHYSICAL EDUCATION AND RECREATION FOR HANDICAPPED CHILDREN 2 sem. hrs.**

Materials and methods involved in planning recreational programs for handicapped children and adolescents. Designed primarily for teachers of exceptional children and physical education. Prerequisite: 2-3 hours from Health and Physical Education 221, 222, 223, or 321.



## *Home Economics*

*Acting Head of the Department:* Blossom Johnson. *Office:* Turner Hall 134.

### COMPREHENSIVE MAJOR

Courses in Home Economics must total 52 semester hours. The following specific courses are required: 106, 111, 113, 120, 121 or 122, 124, 130, 131, 132, 235, 238, 240.

### TEACHING FIELDS

#### MAJOR IN HOME ECONOMICS

Courses in Home Economics must total 38 semester hours. The following specific courses are required: 106, 111, 113, 120, 121 or 122, 124, 130, 131, 132, 235, 238, 240, 244; Art 103 or 111.

#### COMPREHENSIVE MAJOR IN HOME ECONOMICS

Courses in Home Economics (or related fields, as shown below) must total 55 semester hours. The following specific courses are required: 106, 111, 113, 120, 121 or 122, 124, 130, 131, 132, 235, 236, 238, 240, 244; Art 103 or 111. The following courses may be used toward the 55 semester hours required: Art 109, 116, 126, 140, 211; Industrial Technology 122; Sociology 261, 262.

#### MINOR IN HOME ECONOMICS

This field emphasizes the area of family-life education. Courses in Home Economics must total 24 semester hours. The following specific courses are required: 106, 111 or 113, 120, 121 or 122, 130, 131, 132, 238.

#### COURSES IN HOME ECONOMICS

##### 106 NUTRITION 2 sem. hrs.

Survey of the nutritional needs of the college student and his family. Includes knowledge of composition of foods to insure wise consumer buying. Parallels or precedes Home Economics 111. Special section, with laboratory, for students in Special Education; emphasis on nutrition in the school lunch program with units suitable at each grade level.

##### 110 INTRODUCTION TO HOME ECONOMICS 1 sem. hr.

Survey of the field of home economics to present a working philosophy for the prospective teacher and to enrich the personal and social life of the freshman student.

##### 111 MEAL PLANNING 3 sem. hrs.

Selection, preparation, and service of breakfasts, luncheons and teas for the family. Includes preservation of foods. Parallels or follows Home Economics 106.

##### 113 MEAL PLANNING 3 sem. hrs.

Selection, preparation, and service of dinners for the family; includes nutritive needs, consumer buying, and meal management. Prerequisite: For first and comprehensive field, Home Economics 111.

##### 120 INTRODUCTION TO TEXTILES 2 sem. hrs.

The consumer approach to the intelligent judgment of textile products for the home and for the wardrobe. Discussions include fibers, fabrication, finishes, and the importance of standardization and labels. Parallels or precedes 122.

**121 BEGINNING CLOTHING 3 sem. hrs.**

Basic fundamentals of the selection of fabrics and patterns; the interpretation and use of commercial patterns; the basic principles of construction and fitting; work with easy-to-handle textures. For those who have had very little or no experience.

**122 CLOTHING 3 sem. hrs.**

For students with previous clothing construction experience. Includes interpretation of principles of clothing construction and their relationship to fit, design details, fabric handling and garment assembling. Parallels or follows Home Economics 120.

**123 COSTUME DESIGN 2 sem. hrs.**

Essentials of design applied to dress. Discriminating judgment in selection of appropriate clothes for wardrobe needs of the individual.

**124 CLOTHING 3 sem. hrs.**

Advanced pattern study and experience working with a variety of fabrics and fitting problems; includes a unit in machine tailoring. Prerequisite: Home Economics 122 and 123 or consent of instructor.

**130 THE CHILD 3 sem. hrs.**

Prenatal care; the physical, mental, emotional, and social behavior of young children in the home and other situations involving children.

**131 MARRIAGE AND THE FAMILY 3 sem. hrs.**

Marriage and the family with emphasis on mate selection, preparation for marriage, legal aspects of marriage, and present day family life. Emphasis on the home as it affects the development of the family and its individual members.

**132 HOME MANAGEMENT IN CONTEMPORARY LIVING 3 sem. hrs.**

Principles of management in the home; management of money, time, and energy in relation to family living.

**211 NUTRITION AND DIETETICS 2 sem. hrs.**

Principles of nutritional needs applied to diet. Practice in planning, adjusting and preparing dietaries for specific needs of individuals. Applications of presenting nutrition to groups. Prerequisite: Home Economics 106.

**212 FAMILY HEALTH AND HOME NURSING 2 sem. hrs.**

Application of the scientific principles of nutrition to the needs of the child at different ages. Includes a unit in home nursing. Prerequisite: Home Economics 106.

**221 TAILORING 3 sem. hrs.**

Suit and coat making using recognized tailoring techniques. Prerequisite: Home Economics 124.

**231 FAMILY RELATIONSHIPS 2 sem. hrs.**

Factors that promote satisfaction in democratic family living and the interrelationships of the family and the community. Includes the teaching of Family Relationships in secondary schools.

**235 CONSUMER ECONOMICS 2 sem. hrs.**

Problems of the consumer in buying goods and services to satisfy needs and wants; methods of improving consumer buying.

**236 HOME MANAGEMENT HOUSE 3 sem. hrs.**

Principles underlying management of a home are put into practice during nine weeks residence in the home management house. There is direct experience in management and sharing in the various activities involved in the group living of the student in residence. Prerequisite: Home Economics 111, 113, 131 and 132.

**237 SLIP COVERS AND DRAPERIES 2 sem. hrs.**

Experience in the application of art principles to interior decoration through the selection and construction of draperies and slip covers. Students furnish their own projects. Prerequisite: Some sewing experience.

**238 HOUSING AND HOME FURNISHING 3 sem. hrs.**

Significance of community planning; recognition of issues considered in determining housing for the American family; room relationship, financing, modern methods and materials. The home environment and its part in developing a satisfactory home with reference to efficiency, beauty, comfort, and economy.

**240 HOUSEHOLD EQUIPMENT 2 sem. hrs.**

Principles which should guide in the selection, operation, care, and convenient arrangement of equipment in the home.

**244 PHILOSOPHY AND ORGANIZATION OF VOCATIONAL HOME ECONOMICS 3 sem. hrs.**

Growth and development of the home economics movement and the philosophy and organization of vocational programs. Includes observation and participation in typical high school home economics classes.

**245 HOME ECONOMICS ADULT EDUCATION 2 sem. hrs.**

Current trends in adult education for homemakers. Organization and methods used in adult programs are studied, observed, and evaluated. Practical experience in planning and teaching of adults.

**250 CHILD DEVELOPMENT AND GUIDANCE 2 sem. hrs.**

Significant areas of research as it contributes to the understanding and guidance of child behavior.

**299 INDEPENDENT HONOR STUDY 1-6 sem. hrs.**

Intensive work in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report and/or examination. Open only to resident students who have achieved superior academic records and who have demonstrated ability to profit from independent study. A maximum of six hours of credit in independent study may be applied toward graduation. Prerequisite: Permission of the instructor, the Head of the Department, and Dean of the Faculties.

**301 EVALUATION IN HOME ECONOMICS 2 sem. hrs.**

Examination of various concepts of evaluation and basic principles involved. Study of methods and techniques. Opportunity to work on individual problems.

**304 CURRICULUM DEVELOPMENT IN HOME ECONOMICS 3 sem. hrs.**

Principles of curriculum development as applied to Home Economics. Attention given to organization, methods, materials, and evaluation in relation to type of program and age level. Opportunity to work on individual or group problems.

**313 FOOD CUSTOMS AROUND THE WORLD 2 sem. hrs.**

An appreciation course considering the food customs of other nations and how they have influenced American meal patterns. Includes laboratory preparation.

**316 FOOD INVESTIGATIONS 3 sem. hrs.**

An experimental approach to the principles underlying food preparation. Prerequisite: Home Economics 111 or 113.

**320 DEMONSTRATION TECHNIQUES 2 sem. hrs.**

Development of techniques and standards for demonstrations in the various areas of home economics. Individual and team demonstrations. Prerequisite: Home Economics 113 and 112.



**322 PROBLEMS IN CLOTHING 3 sem. hrs.**

Investigation and report of individual problems in the field of clothing. Prerequisite: Home Economics 124 or consent of the instructor.

**323 ADVANCED TEXTILES 2 sem. hrs.**

Survey of recent developments in the textile field, particularly the man-made fibers and their products. Attention given to the textile market situation's significance to the consumers. Prerequisite: Home Economics 120.

**324 ADVANCED COSTUME DESIGN AND DRAPING 3 sem. hrs.**

Theory of design development through draping technique and application to varied figure forms. Prerequisites: Home Economics 123 and 124.

## *Industrial Technology*

*Acting Head of the Department:* Roger D. Blomgren. Office: Turner Hall 136.

### **MAJOR IN INDUSTRIAL TECHNOLOGY**

Courses in Industrial Technology and specified related fields must total 37 semester hours. The following specific courses are required: Industrial Technology 111: three courses from Industrial Technology 121, 132 or 133, 141, 151, 161, 171; Mathematics 107 or 1½ years of high school algebra; Mathematics 108 or ½ year of high school trigonometry. (Students who have *not* had a high school laboratory course in chemistry or physics are strongly urged to include one or more courses in chemistry or physics that will meet degree requirements.)

In addition to the foregoing requirements, at least 10 semester hours must be elected from among courses in related fields. Faculty advisers will recommend Industrial Technology and related field electives, depending upon the option elected, from among the following: Accident Prevention, Industrial Supervision and Management, Industrial Production, Technical Sales and Service.

### **COMPREHENSIVE MAJOR IN INDUSTRIAL TECHNOLOGY**

Courses in Industrial Technology and specified related fields must total 55 semester hours. The following specific courses are required: Industrial Technology 111, 113; three courses from Industrial Technology 121, 132 or 133, 141, 151, 161, 171; Mathematics 107 or 1½ years of high school algebra; Mathematics 108 or ½ year of high school trigonometry; Business Administration 253. (Students who have *not* had a high school laboratory course in chemistry or physics are strongly urged to include one or more courses in chemistry or physics that will meet degree requirements.)

In addition to the foregoing requirements at least 10 semester hours must be elected from courses in related fields. Faculty advisers will recommend Industrial Technology and related field electives, depending upon the option elected, from among the following: Accident Prevention, Industrial Supervision and Management, Industrial Production, Technical Sales and Service.

## MINOR IN INDUSTRIAL TECHNOLOGY

Courses in Industrial Technology and specified related fields must total 24 semester hours. The following specific courses are required: Industrial Technology 111; two courses from Industrial Technology 121, 132 or 133, 141, 151, 161; Mathematics 107 or 1½ years of high school algebra; Mathematics 108 or ½ year of high school trigonometry. Faculty advisers will recommend Industrial Technology and related field electives, depending upon the option elected, from among the following: Accident Prevention, Industrial Supervision and Management, Industrial Production, Technical Sales and Service.

## TEACHING FIELDS\*

### MAJOR IN INDUSTRIAL EDUCATION

Courses in Industrial Technology and specified related fields must total 37 semester hours. The following specific courses are required: Industrial Technology 108, or 127, 111, 121, 132 or 133, 141, 151, 161, 201, 305; Mathematics 107 or 1½ years of high school algebra; Mathematics 108 or ½ year of high school trigonometry. At least 8 semester hours must be completed in one of the following areas: drawing, electricity, graphic arts, metals, woods, power mechanics.

### COMPREHENSIVE MAJOR IN INDUSTRIAL EDUCATION

Courses in Industrial Technology and specified related fields must total 55 semester hours. The following specific courses are required: Industrial Technology 108 or 127, 111, 113, 121, 132 or 133, 141, 151, 161, 171, 201, 305; Mathematics 107 or 1½ years of high school algebra; Mathematics 108 or ½ year of high school trigonometry. (Students who have *not* had a high school laboratory course in chemistry or physics are strongly urged to include one or more courses in chemistry or physics that will meet degree requirements.)

Related courses in other departments, approved by the Head of the Department of Industrial Technology, may be included in the 55 semester hours. At least 8 semester hours must be completed in each of two of the following areas: drawing, electricity, graphic arts, metals, woods, power mechanics.

### MINOR IN INDUSTRIAL EDUCATION

Courses in Industrial Technology and specified related fields must total 24 semester hours. The following specific courses are required: Industrial Technology 111, 121, 132 or 133, 141, 151, 161, 200; Mathematics 107 or 1½ years of high school algebra; Mathematics 108 or ½ year of high school trigonometry. At least 8 semester hours must be completed in one of the following areas: drawing, electricity, graphic arts, metals, woods, power mechanics.

### MINOR IN SAFETY AND DRIVER EDUCATION

Courses in Industrial Technology and specified related fields must total 20 semester hours. The following specific courses are required: Industrial Tech-

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\*Students preparing to teach vocational-industrial subjects or classes must also meet specific course and trade or industrial experience requirements as set forth by the Illinois State Board of Vocational Education and Rehabilitation.

nology 171, 172, 273, 374; two courses from Industrial Technology 163, 371, 375, 377; electives to be chosen from among the following: Education 240, Health and Physical Education 180, Psychology 302, Psychology 232, Industrial Technology 373, 376, 378.

## COURSES IN INDUSTRIAL TECHNOLOGY

Courses in Industrial Technology are considered in areas as follows:

Drawing: 111, 113, 114, 211, 212.

Electricity: 141, 241, 242, 244, 246, 248, 346.

Graphic Arts: 151, 152, 153, 251, 252, 253.

Metals: 132, 133, 231, 232, 331.

Miscellaneous: 108, 127, 128, 386.

Power Mechanics: 161, 162, 163, 261, 262, 263, 264, 265, 361.

Professional Industrial Education: 200, 201, 300, 301, 302, 303, 304, 305, 306.

Safety and Driver Education: 171, 172, 273, 371, 373, 374, 375, 376, 377, 378.

Woods: 121, 122, 221, 223, 224, 226.

### 108 STRUCTURAL DESIGN 2 sem. hrs.

Principles of design as applied to creating products for the home or for industry. Actual practice in product design, with emphasis on the form of the product and the material from which it is made.

### 111 TECHNICAL DRAFTING 3 sem. hrs.

Study and practice of the fundamental techniques of the different types of projection and projection instruments used in technical drafting.

### 113 DEVELOPMENTAL DESCRIPTIVE GEOMETRY 3 sem. hrs.

Specialized drafting methods used in sheet metal layout and in the graphical solution of mathematical and structural problems. Prerequisite: Industrial Technology 111.

### 114 TECHNICAL DRAFTING 2 sem. hrs.

Continuation of Technical Drafting 111 extending the students' knowledge and skills in the development of detail, assembly, and special drawing. Prerequisite: Industrial Technology 111.

### 121 GENERAL WOODWORK 3 sem. hrs.

Fundamental woodworking practices and processes. Emphasis given to analysis and planning of projects and tool maintenance.

### 122 FURNITURE UPHOLSTERING AND FINISHING 3 sem. hrs.

Principles and problems of upholstering furniture. Technological development of upholstery materials will be stressed through laboratory testing and use. Methods of finishing and refinishing furniture will be practiced in the laboratory.

### 127 CRAFTS 2 sem. hrs.

Opportunity for students interested in crafts work to obtain skills and information in the use of hand tools, materials, and processes. Emphasis placed on projects suitable for classroom and recreational activities. Designed to meet the needs of students with no previous school shop experience as well as for students in Industrial Technology.

### 128 INDUSTRIAL ARTS FOR THE ELEMENTARY TEACHER 3 sem. hrs.

Information and shop practice in the appropriate and safe use of basic tools and materials for elementary school teachers, K-6. Practice in planning and construction of instructional resources. Open to elementary education or special education majors only.



**132 GENERAL METALWORK 3 sem. hrs.**

Basic information, processes, and safety in bench metal, sheet metal, foundry casting, oxy-acetylene welding, and electric welding. Individual project design and development is emphasized in each of the areas of work.

**133 MACHINE SHOP TECHNOLOGY I 3 sem. hrs.**

Basic information, processes, and safety in benchwork, forging, heat treatment, and introductory machine shop work. The machine shop work involves the power saw, metal lathe, shaper, milling machine, and surface grinder.

**141 ELECTRICAL TECHNOLOGY 3 sem. hrs.**

Basic theory of electricity and magnetism, including shop practice in the design and construction of electrical projects suitable for use on the secondary school level.

**151 GRAPHIC ARTS FUNDAMENTALS 3 sem. hrs.**

A general survey of the graphic arts industries. Theory and laboratory practice in the basic processes by which man communicates graphically. Students who have taken Industrial Technology 153 may not take this course for credit.

**152 GRAPHIC ARTS 2 sem. hrs.**

A continuation of Industrial Technology 151. Theory and laboratory practice are provided in basic design and layout of printed pieces. Type design, screen process printing, flexographic and relief plates, relief and offset press operation are also studied. Prerequisite: Industrial Technology 151.

**153 PUBLICATION PRODUCTION 2 sem. hrs.**

A study of the graphic arts as it relates to the field of Journalism. The basic areas of layout and design, copy preparation of continuous tone and text materials, image carriers and ink transfer processes are studied as they relate to the publication field. Students who have had credit in Industrial Technology 151 may not take this course for credit.

**161 POWER MECHANICS 3 sem. hrs.**

Principles, development, transmission, and utilization of mechanical power, including shop practice in disassembling, assembling, and testing of internal combustion engines and fluid power machines.

**162 INTRODUCTION TO AUTOMOBILE MECHANICS 3 sem. hrs.**

Theory and laboratory practice in maintenance and repair of the major systems of the automobile. Prerequisite: Industrial Technology 161.

**163 AUTOMOTIVE FUNDAMENTALS 2 sem. hrs.**

A comprehensive survey of the systems in the automobile. Theory and laboratory experience in diagnosis, maintenance and repair of automobile components with special emphasis on preventative maintenance. A student with a first or second field in Industrial Technology may not take this course for credit.

**171 PRINCIPLES OF ACCIDENT PREVENTION 3 sem. hrs.**

The philosophy, history and development of the accident prevention movement; designed to acquaint students with the underlying factors and theories of accident causation and prevention and the impact of accidents upon the socio-economic well being of the individual, the school, the community, and the nation. Prerequisite: Psychology 111 or concurrent enrollment.

**172 TRAFFIC EDUCATION I 3 sem. hrs.**

Designed to develop an awareness of the total traffic problems and the role of various factors in traffic accident causation. Major emphasis is given to the driving task and the physical and mental requirements necessary to develop a safe driver. Laboratory experience is devoted to improvement of the students' driving ability and developing an understanding of structuring laboratory lessons. Prerequisite: Industrial Technology 171 or concurrent enrollment.

**200 GENERAL SHOP 3 sem. hrs.**

Practical experience in the basic activities, organization and operation of the industrial arts comprehensive general shop. Prerequisite: Eleven semester hours of Industrial Technology from three areas.

**201 PROBLEMS IN INDUSTRIAL EDUCATION 2 sem. hrs.**

Problems that confront the teacher of industrial arts in the organization and management of the school shop. Consideration will be given to types of shops, shop planning, purchasing equipment and supplies, maintenance of tools and equipment, shop organization and management, record systems, safety and accident prevention. Prerequisite: Eleven semester hours of Industrial Technology.

**211 ARCHITECTURAL DRAFTING 3 sem. hrs.**

The problematic situations of building, with special emphasis on home planning, construction, and maintenance. The laboratory time is spent in discussion and technological solution of problems. Prerequisite: Industrial Technology 111.

**212 MACHINE DESIGN 3 sem. hrs.**

General mechanisms, cams, gears, and power transmissions. Theoretical principles are applied in the designing of small machines. Prerequisite: Industrial Technology 114.

**221 CARPENTRY AND BUILDING CONSTRUCTION 3 sem. hrs.**

Fundamental principles of carpentry, layout, forming, and assembly. A short unit in masonry work will be included.

**223 WOODWORKING 3 sem. hrs.**

Advanced theory and practice in woodworking. Operating principles, special setups, adjustments, and maintenance of woodworking machines are stressed. Learning experiences are through individual projects and/or research.

**224 GENERAL FINISHING 2 sem. hrs.**

Finishing systems and materials used in industry. Finishes suitable for industrial arts laboratories. Practical laboratory exercises in applying and testing finishing materials and methods.

**226 CABINET AND FURNITURE CONSTRUCTION 3 sem. hrs.**

Production methods of wood-using industries. Planning, tooling, and production of products are used as learning experiences. Efficient use of time and materials is stressed.

**231 MACHINE SHOP TECHNOLOGY II 2 sem. hrs.**

Theory, computations, and practice in setting up and operating the following machine tools: lathe, shaper, horizontal and vertical milling machines, surface grinders, cylindrical grinders and tool grinder. Includes machining various steels, aluminum, and cast iron, with emphasis on milling operations and precision grinding operations. Machining projects, tapers, spur gears and racks, and introduction to numerical control machining. Prerequisite: Industrial Technology 133.

**232 WELDING TECHNOLOGY 2 sem. hrs.**

Advanced theory and practice in welding. Oxy-acetylene, electric, tungsten inert gas (TIG), metallic inert gas (MIG), and arc welding are included. Emphasis is on welding and brazing steel, cast iron, bronze, aluminum, and several alloys. Prerequisite: Industrial Technology 132.

**241 ELECTRIC MOTORS AND APPLIANCES 2 sem. hrs.**

Types, characteristics, and operation of resistance heating devices; universal, induction, and synchronous single phase and polyphase a.c. motors. Laboratory practice in testing, maintenance, and repair of electric heating appliances and motors. Prerequisite: Industrial Technology 141.

**242 APPLIED ELECTRONICS 3 sem. hrs.**

Types, characteristics, and operation of electron tubes and semiconductors; basic rectifier, demodulator, amplifier, oscillator and associated circuits. Laboratory practice in assembly, testing, and repair of electronic devices. Prerequisite: Industrial Technology 141, or Physics 109 or 111.

**244 SEMICONDUCTOR ELECTRONICS 2 sem. hrs.**

Construction, operation, and characteristics of selected types of semiconductor devices and their application in typical electronic systems. Laboratory practice in assembly, testing and analysis of electronic circuits employing semiconductors. Prerequisite: Industrial Technology 141, or Physics 109 or 111.

**246 COMMUNICATIONS ELECTRONICS 4 sem. hrs.**

Operation and characteristics of selected electronics circuits and devices used in communications systems and linear reproduction devices. Laboratory practice in assembly, testing, and analysis of representative electronic circuits. Prerequisite: Industrial Technology 242 or 244.

**248 INSTRUMENTATION 3 sem. hrs.**

Characteristics, circuitry, maintenance, calibration, repair and operation of selected electronics instruments and devices. Laboratory practice in application of topics discussed. Prerequisite: Industrial Technology 242.

**251 GRAPHIC ARTS TECHNOLOGY 3 sem. hrs.**

An in-depth study of the graphic communication processes. Emphasis is placed on the development of continuous tone copy, and the offset-lithographic process. Laboratory work includes: idea visualization, copy preparation, process photography, negative assembly, image carriers, ink transfer and finishing operations. Prerequisite: Industrial Technology 151.

**252 CHARACTER GENERATION 2 sem. hrs.**

A study of the methods and machines that assemble characters for the communication of ideas. Laboratory practice in composition techniques on photocomposition, impact and hot metal machines. Computer application to composing practice is also studied. Prerequisite: Industrial Technology 251 or practical experience in graphic arts.

**253 LAYOUT-DESIGN AND ITS APPLICATION TO GRAPHIC REPRODUCTION PROCESSES 3 sem. hrs.**

An in-depth study and practice in planning, layout and design of printed pieces. Mechanical and photographic processes are studied in relation to the art and copy available. Photographic sensitometry as a tool of quality control is covered. Prerequisite: Industrial Technology 251.

**261 AUTOMOTIVE POWER PLANTS 3 sem. hrs.**

Automobile engines and their applications. Theory and laboratory practice in the function, maintenance, and adjustments of the systems and components of various types of engines designed by the automotive industry. Prerequisite: Industrial Technology 162.

**262 AUTOMOTIVE ELECTRICAL SYSTEMS 2 sem. hrs.**

Operating principles and applications of the electrical systems of the automobile. Laboratory practice in the testing, disassembly, repair, and adjustment of the systems and their components. Prerequisite: Industrial Technology 162.

**263 FLUID POWER MECHANICS 2 sem. hrs.**

Operating principles, components, circuitry, application and maintenance of hydraulic and pneumatic systems. Laboratory experiences include circuit design and construction, testing, and adjustment of systems and individual components. Prerequisite: Industrial Technology 161.



**264 AUTOMOTIVE SUSPENSION, STEERING ALIGNMENT AND BRAKE SYSTEMS 2 sem. hrs.**

Advanced theory in the operating principles and maintenance of suspension, steering and brake systems. Laboratory experiences include diagnosis, repair, adjustment and alignment of frames, stabilizing devices, drive lines, rear axles, steering mechanisms and brakes. Prerequisite: Industrial Technology 162.

**265 AUTOMOTIVE AND MOBILE FLUID POWER SYSTEMS 3 sem. hrs.**

Types, operating principles and characteristics of fluid power transmissions, power steering, power brakes, and accessories. Laboratory experiences include diagnosis and adjustment of power steering components, power brakes and accessories with major emphasis on automatic and hydrostatic transmissions. Prerequisite: Industrial Technology 162 or 263.

**273 ADVANCED TRAFFIC EDUCATION 3 sem. hrs.**

Objective and scope of driver education in the total high school curriculum and the need to relate driver education to a comprehensive community endeavor. Administrative policies and practices and selection, organization, and program evaluation. Laboratory practices include experience in programing and operating a multiple car off-street program. Prerequisite: Industrial Technology 172.

**300 CONTEMPORARY INDUSTRIAL EDUCATION 2 sem. hrs. (Formerly 400)**

Prominent leaders and analysis of trends in industrial education.

**301 INDUSTRIAL ARTS IN THE ELEMENTARY SCHOOL 2 sem. hrs. (Formerly 410)**

Educational principles underlying industrial arts and their application in the elementary activity program.

**302 EVALUATION TECHNIQUES IN INDUSTRIAL EDUCATION 3 sem. hrs.**

Historical background of measurement in industrial education; examination of objectives and methods; evaluation of student abilities and growth; evaluation of housing and equipment.

**303 PRINCIPLES OF GENERAL SHOP ORGANIZATION 2 sem. hrs.**

Organizing and teaching procedures in the multiple-activity shop.

**304 OCCUPATIONAL AND JOB ANALYSIS 2 sem. hrs. (Formerly 401)**

Techniques and procedures of analyzing industrial occupations and jobs into their basic elements for instructional purposes.

**305 IMPROVEMENT OF INSTRUCTION IN INDUSTRIAL EDUCATION 3 sem. hrs.**

Objectives, content, and techniques for improving the teaching of industrial arts.

**306 PART-TIME INDUSTRIAL COOPERATIVE EDUCATION 3 sem. hrs.**

Designed to acquaint the prospective coordinator with the nature and procedures involved in organizing and operating effective programs in this phase of vocational education.

**331 MACHINE SHOP TECHNOLOGY III 3 sem. hrs.**

Advanced machine shop technology and practice, including problems in machine design and construction through the use of various steels and castings. Includes set-up computations, project design and development, technical reports, production setups on the turret lathe, and numerical control machine programing. Prerequisite: Industrial Technology 231.

**346 INDUSTRIAL ELECTRONICS 3 sem. hrs. (Formerly 246)**

Types, operation, and characteristics of selected, special purpose electron tubes and semiconductors, and their associated circuits in non-communication applications. Lab-

oratory practice in assembly, testing and analysis of representative industrial electronic circuits. Prerequisite: Industrial Technology 242.

**361 MOTOR VEHICLE DIAGNOSIS AND TUNE-UP 3 sem. hrs.**

Motor vehicle systems diagnosis. Laboratory experiences accent electrical and fuel systems testing with some consideration of mechanical systems testing. Prerequisite: Industrial Technology 261 or 262 or consent of Instructor.

**371 ALCOHOL AND ACCIDENT PHENOMENON 3 sem. hrs.**

An extensive investigation of the effects of alcohol and its relationship to accident causation and occurrence. The psychological, physiological, and pharmacological actions of alcohol will be treated in view of the medical, sociological, religious, and economical aspects of society.

**373 AGRICULTURAL ACCIDENT PREVENTION 3 sem. hrs.**

The study of accident prevention and the need for such training in Agriculture; major areas of emphasis to include theories of accident causation and prevention applicable to agricultural accidents.

**374 METHODS AND MATERIALS OF TEACHING TRAFFIC EDUCATION 3 sem. hrs.**

Materials and measures appropriate for driver education. Development of teaching units, student evaluation procedures peculiar to driver education. Laboratory experience includes programing and teaching beginning drivers in traffic simulators, behind-the-wheel on the street and in the classroom. Prerequisite: Industrial Technology 375 or 377, or consent of instructor.

**375 TRAFFIC ENFORCEMENT 2 sem. hrs.**

An intensive survey of the courts, the Division of Motor Vehicle Administration and Enforcement, dealing with the organization and administration of these divisions and specialized areas of accident investigation, court functions and procedures, qualifications and standards for court personnel, driver licensing, safety and financial responsibility laws, and driver improvement. Prerequisite: Industrial Technology 172 or concurrent enrollment.

**376 PROBLEMS AND RESEARCH IN DRIVER EDUCATION 3 sem. hrs.**

Overview of problems confronting workers in this field and major research findings applicable to this area. Emphasis given to gaining a better understanding of research data. Planning for greater utilization of research findings in both school and community traffic safety endeavors. Prerequisite: Industrial Technology 273 or concurrent enrollment.

**377 TRAFFIC ENGINEERING 2 sem. hrs.**

An investigation of the traffic engineering function relating to the cost of financing road systems. Acquisition of right-of-way, highway geometric design, collection, analysis, and interpretation of accident records and other data needed to bring about the modification of existing physical features necessary to reduce accidents, to alleviate congestion within an area, and to plan for future needs within a community. Prerequisite: Industrial Technology 172 or concurrent enrollment.

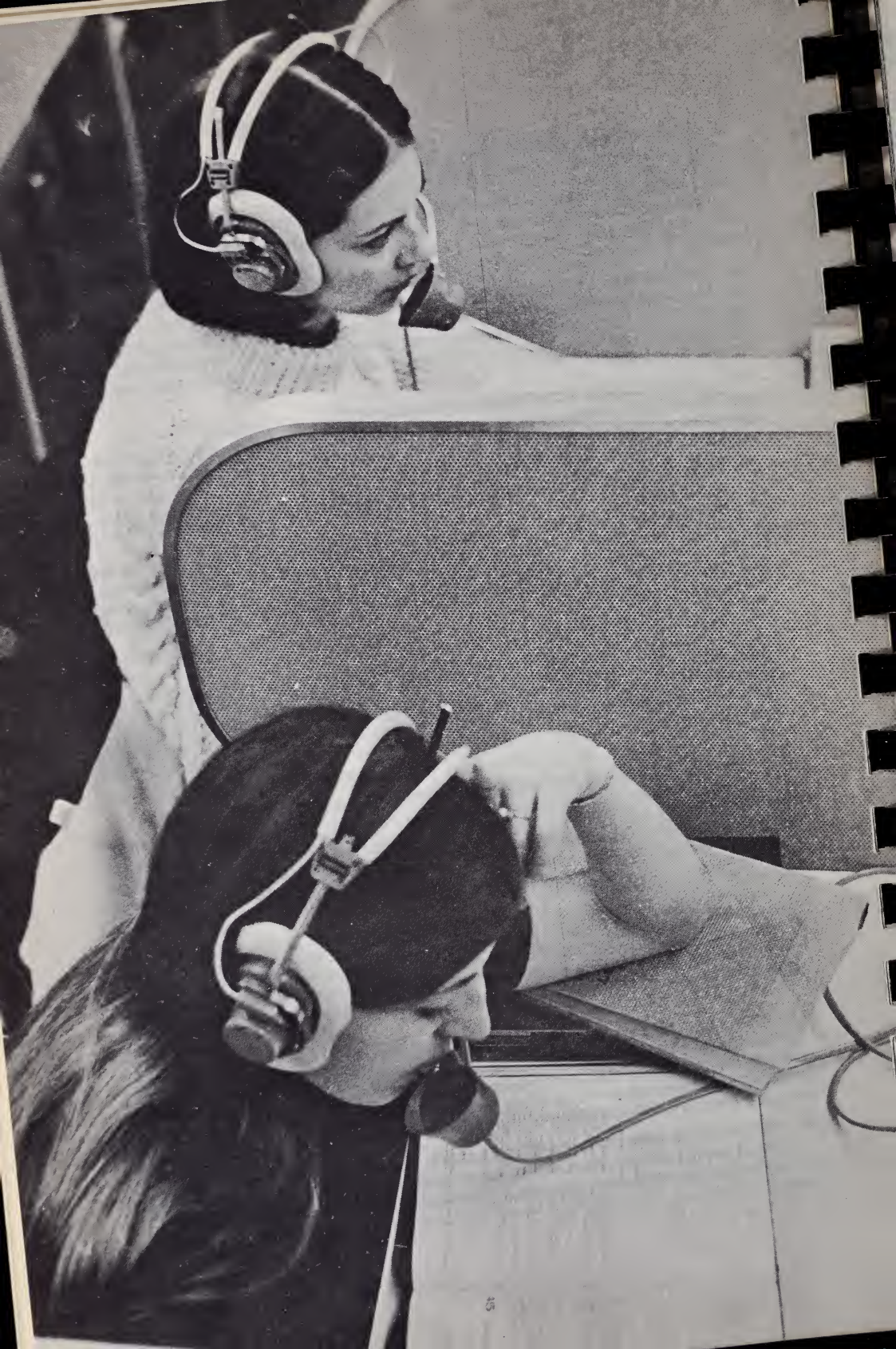
**378 DISASTER PREPAREDNESS 3 sem. hrs.**

A course to prepare individuals to organize, direct and coordinate disaster services in schools, industry and local government. In addition, students will receive training in shelter management and radiological monitoring that meets the guidelines established by the office of Civil Defense/Office of the Secretary of the Army.

**386 TECHNICAL COMPUTER PROGRAMING 3 sem. hrs. (Formerly 306)**

A study of digital computer systems, the programing of digital computers, and the use of a computer to solve problems related to applied science and technology (laboratory arranged.)







# *College of Arts and Sciences*

## *Departments:*

*Biological Sciences*

*Chemistry*

*Economics*

*English*

*Foreign Languages*

*Geography-Geology*

*History*

*Library Science*

*Mathematics*

*Philosophy*

*Physics*

*Political Science*

*Psychology*

*Sociology-Anthropology*

*Speech*

The College of Arts and Sciences serves the University in a variety of ways. Its primary purpose is to offer the student the opportunity to become liberally educated, and thereby to achieve the fullest development of his capabilities. The college comprehends the arts, the humanities, the social and behavioral sciences, mathematics, and the natural sciences. In these areas it provides courses of study for majors and minors, preparation for advanced professional study, and general education.

## *Biological Sciences*

*Head of the Department:* R. Omar Rilett. *Office:* Science Building 206.

### **MAJOR IN THE BIOLOGICAL SCIENCES**

Courses in the Biological Sciences must total 37 semester hours, including 121, 190, 216, 217 or 283, 304, 319. In addition, each student must take a minimum of eight semester hours of laboratory courses. Chemistry through organic chemistry is required and eight semester hours of physics are recommended.

### **COMPREHENSIVE MAJOR IN THE BIOLOGICAL SCIENCES**

Courses in the Biological Sciences must total 53 semester hours, including 121, 190, 216, 217 or 283, 304, and 319. Each student must complete a minimum of 12 semester hours in three of the following areas of study: botany, microbiology, physiology, or zoology. Chemistry through organic chemistry is required and eight semester hours of physics are recommended.

### **MINOR IN THE BIOLOGICAL SCIENCES**

Courses in the Biological Sciences must total 24 semester hours. The following specific courses are required: 121, 190; and at least eight semester hours selected from 122, 123, 191, 192, 216, 217, 283, 319.

### **MAJOR IN HEALTH EDUCATION**

For the major in health education, 37 semester hours are required. Required courses include: Biological Sciences 181 and 182 or Health and Physical Education 181 and 182; Biological Sciences 145, 240, 248, 260, 340; Home Economics 106 or Industrial Technology 171; Psychology 232; Sociology 261; and six to nine semester hours selected from Biological Sciences 242, 284, 285, 319, 360, and Health and Physical Education 180.

### **MINOR IN HEALTH EDUCATION**

For the minor in Health Education, 27 semester hours are required. Required courses include: Biological Sciences 145; 181 and 182, or Health and Physical Education 181 and 182, or Biological Sciences 191 and 192 (for Biology majors minoring in Health); 242, 260, 240 or 340, 248; Home Economics 106 or Industrial Technology 171; Psychology 232 or Sociology 261.

The major, minor, and comprehensive major are the same for a teaching degree as for a degree in arts and sciences.

### **COURSES IN THE BIOLOGICAL SCIENCES**

#### **100 INTRODUCTION TO BIOLOGICAL SCIENCE 3 sem. hrs.**

A course emphasizing basic biological principles. Lecture and laboratory. Not open to biology majors or minors or students who have had a university-level laboratory course in biology.

**102 FIELD STUDY IN MARINE BIOLOGY 2 sem. hrs.**

Collection and identification of certain groups of marine organisms from the coastal areas of Florida and the West Indies. Lecture, laboratory and field trip.

**121 GENERAL BOTANY 4 sem. hrs.**

Introduction to the principles of structure, function, growth, reproduction and classification of plants. Lecture and laboratory.

**122 COMPARATIVE BOTANY 4 sem. hrs.**

Morphology and phylogeny of the non-vascular plants. Lecture and laboratory. Prerequisite: Biological Sciences 121.

**123 COMPARATIVE BOTANY 4 sem. hrs.**

Morphology and phylogeny of the vascular plants. Lecture and laboratory. Prerequisite: Biological Sciences 121.

**145 HYGIENE 2 sem. hrs.**

Basic human physiology, the nature of disease, and the principles and problems of personal health. Lecture.

**160 ELEMENTARY BACTERIOLOGY 4 sem. hrs.**

Morphology, ecology, and principal activities of bacteria, yeasts, and molds as related to nursing, public health, communicable disease and sanitation. Lecture and laboratory.

**181 FUNCTIONAL ANATOMY 4 sem. hrs.**

Introduction to fundamentals of anatomy and physiology through study of protoplasm, tissue types, metabolism and human inheritance. Second half of semester devoted to the nervous system and sense organs. Designed for students in special education, health education, nursing, and psychology. Lecture and laboratory. Not open to biology majors or minors.

**182 FUNCTIONAL ANATOMY 4 sem. hrs.**

Continuation of 181. Mammalian anatomy and physiology with special emphasis on man. Lecture and laboratory. Prerequisite: Biological Sciences 181.

**190 GENERAL ZOOLOGY 4 sem. hrs.**

Physiology, morphology, anatomy, genetics, and evolution of representatives of the animal phyla. Lecture and laboratory.

**191 COMPARATIVE ZOOLOGY 4 sem. hrs.**

Phylogeny, comparative anatomy, and embryology of invertebrates. Lecture and laboratory. Prerequisite: Biological Sciences 190.

**192 COMPARATIVE ZOOLOGY 4 sem. hrs.**

Evolution and comparative anatomy of vertebrates. Lecture and laboratory. Prerequisite: Biological Sciences 190.

**201 GENERAL ECOLOGY 3 sem. hrs.**

Relationships between living organisms and their environment. Analysis of representative communities. Field and laboratory research techniques. Lecture, laboratory, and field trips. Prerequisites: Biological Sciences 121 and 190.

**202 NATURAL SCIENCE 3 sem. hrs.**

A survey of insects, rocks, and minerals of Illinois. Lecture and laboratory. Students with credit in Biological Sciences 204 may not take Biological Sciences 202 for credit. Not open to Biology majors or minors.

**203 NATURAL SCIENCE 3 sem. hrs.**

Unifying concepts in life science presented through the study of ecological relationships. Special emphasis on niches filled by plants and birds in natural systems. Lecture, laboratory, and field trips. Not open to biology majors, minors, or students who have taken Biological Sciences 204.



**204 NATURAL SCIENCE 4 sem. hrs.**

A survey of plants and animals native to Illinois. Lecture and laboratory. Students who have had Biological Sciences 202 or 203 may not take this course for credit. Not open to Biology majors or minors.

**216 GENERAL PHYSIOLOGY 4 sem. hrs.**

Chemical and physical aspects of life processes. Lecture and laboratory. Prerequisites: Biological Sciences 121 and 190 and a course in Organic Chemistry.

**217 GENERAL PHYSIOLOGY 4 sem. hrs.**

Continuation of Biological Sciences 216. Chemical and physical aspects of life processes. Lecture and laboratory. Prerequisite: Biological Sciences 216.

**240 MODERN HEALTH PROBLEMS AND PROCEDURES 3 sem. hrs.**

Interpretation of personal health and group health problems to acquaint teachers with recent developments in the field of health. Lecture.

**242 COMMUNITY PUBLIC HEALTH 2 sem. hrs.**

Principles of epidemiology, isolation techniques, and community health in general. Lecture.

**248 SCHOOL HEALTH 2 sem. hrs.**

Topics relating to health programs in the elementary school. Lecture. Prerequisite: Biological Sciences 145.

**259 HEALTH CENTER 1-6 sem. hrs.**

Health legislation, health services, and health education programs. Designed to aid teachers and administrators in correlating school and community resources into a comprehensive health program. Lecture. Prerequisite: Teaching experience or Biological Sciences 248.

**260 INTRODUCTORY BACTERIOLOGY 4 sem. hrs.**

Fundamental concepts of microbiology, with emphasis on bacteria, yeast, molds, and viruses, and their roles in nature, industry, health, infection, and immunity. Prerequisites: Four hours credit in biology and credit or registration in chemistry.

**261 MICROBIAL PATHOGENS OF MAN 4 sem. hrs.**

Morphology, cultivation, identification, and classification of bacteria, fungi, rickettsia, and viruses associated with certain diseases of man. Lecture and laboratory. Prerequisites: Biological Sciences 260.

**283 PHYSIOLOGY AND ANATOMY 4 sem. hrs. (Formerly 183)**

Mammalian systemic physiology with emphasis on the structure and function of the human body. Lecture and laboratory.

**284 THE HUMAN BODY 4 sem. hrs.**

Dissection of the human body exclusive of the head and neck. Prerequisite: Biological Sciences 182 or 192 or Health and Physical Education 182.

**285 THE HUMAN BODY 2 sem. hrs.**

Dissection of the head and neck with emphasis on the central nervous system and sense organs. Prerequisite: Biological Sciences 182 or 192 or Health and Physical Education 182.

**294 ENTOMOLOGY 4 sem. hrs. (Formerly 194)**

Morphology, physiology, life histories and taxonomy of insects. Lecture and laboratory. Prerequisite: Biological Sciences 190.

**300 and 301 READINGS IN THE BIOLOGICAL SCIENCES Each 1 sem. hr.**

Readings of classical and modern biological literature.

**302 HISTORY OF BIOLOGY 3 sem. hrs.**

A study of great biologists emphasizing their contributions to the development of the biological sciences. Lecture.

**303 NATURAL SCIENCE FOR ELEMENTARY TEACHERS 3 sem. hrs.**

Present-day developments in science in relation to instruction in elementary schools. Content, activities, and approach involved in teaching an integrated science program at various grade levels. Lecture and laboratory.

**304 SEMINAR IN BIOLOGY 1 sem. hr.**

Staff members, guest speakers and graduate students will discuss their current research at these seminars. All seniors and graduate students in the department are expected to participate each semester, but credit is given once only.

**305 SPECIAL PROBLEMS IN BIOLOGY 1-3 sem. hrs.**

Special work in fields represented by the research interests of the staff. Assignments depend upon the student's interest and background. Projects must be approved by the staff member and the head of the department.

**306 REGIONAL AND AREA STUDIES 1-9 sem. hrs.**

An intensive study of particular lands, environments, cultures, and peoples. May be given in cooperation with other departments, on or off the campus. The areas to be studied, participating departments, and credit hours available in the several departments will be announced each time the course is offered.

**318 LABORATORY TECHNIQUES 2 sem. hrs.**

Preparation of permanent microscope slides of plant and animal tissues and special techniques for whole mounts, plastic embedding, plastic injections, and nerve preparations. Lecture and laboratory.

**319 GENETICS 4 sem. hrs.**

Data and concepts of genetics from Mendel to today. Lecture and laboratory. Prerequisite: Twelve semester hours of laboratory courses in biological sciences, or consent of instructor.

**320 PLANT PATHOLOGY 4 sem. hrs.**

Systematics, morphology, life-cycles, and control measures for organisms causing plant diseases. Lecture and laboratory.

**331 TAXONOMY OF VASCULAR PLANTS 4 sem. hrs.**

Plant classification with emphasis on native and naturalized species. Lecture and laboratory.

**332 TAXONOMY OF NON-VASCULAR PLANTS 4 sem. hrs.**

Plant classification with emphasis on the evolution of the algae, fungi, and bryophytes. Lecture and laboratory. Prerequisite: Biological Sciences 122.

**333 COMPARATIVE PLANT MORPHOLOGY 4 sem. hrs.**

Comparative morphology of vascular plants emphasizing morphogenesis. Lecture and laboratory. Prerequisite: Biological Sciences 123.

**334 INTRODUCTORY MYCOLOGY 3 sem. hrs.**

Morphology, taxonomy, and evolution of the fungi. Lecture and laboratory.

**340 ADMINISTRATION OF SCHOOL HEALTH 3 sem. hrs.**

Administration and organization of school health programs and health education programs. Lecture.

**342 INTRODUCTION TO BIOCHEMISTRY**

See Chemistry 342.

**360 SANITATION 4 sem. hrs.**

Microbiology as applied to community water supplies, waste disposal, swimming pools, foods and their distribution, and stream and air pollution. Lecture and laboratory. Prerequisite: Biological Sciences 260.

**365 PHYCOLOGY 4 sem. hrs.**

Taxonomy, morphology, anatomy, and physiology of the algae with special emphasis on species common to Illinois. Lecture and laboratory. Prerequisite: Biological Sciences 122.

**381 APPLIED HUMAN ANATOMY 4 sem. hrs.**

Study of the human body with emphasis on the musculo-skeletal and nervous systems. Designed for students who will teach physically handicapped children. Lecture and laboratory. Prerequisite: Biological Sciences 182 or Health and Physical Education 182.

**382 THE EYE—A LABORATORY AND CLINICAL STUDY 2 sem. hrs.**

Anatomy and physiology of the eye. Lecture and laboratory supplemented by clinical demonstrations on the detection and care of eye disorders. Prerequisite: Biological Sciences 182.

**383 PARASITOLOGY 4 sem. hrs.**

Morphology, life histories, and host-parasite relationships of arthropod, helminth, and protozoan parasites. Lecture and laboratory.

**385 PHYSICAL DEFECTS—SURVEY AND REHABILITATION 3 sem. hrs.**

Physical defects of handicapped children and procedures used in rehabilitation. For those preparing to teach special classes of physically-handicapped children. Lecture and laboratory. Also offered as Health and Physical Education 385. Prerequisite: Biological Sciences 381.

**390 EVOLUTION 3 sem. hrs.**

Environmental, behavioral and genetic mechanisms involved in the processes of evolution. Lecture and discussion. Prerequisite: Biological Sciences 319 or consent of instructor.

**391 ENTOMOLOGY 4 sem. hrs.**

Anatomy, physiology, and embryology of insects. Lecture and laboratory.

**392 EMBRYOLOGY 4 sem. hrs.**

Comparative embryology of the vertebrates with emphasis on avian and mammalian embryos. Lecture and laboratory.

**394 PROTOZOOLOGY 4 sem. hrs.**

Survey of the Phylum Protozoa, emphasizing morphology, physiology, reproduction, and taxonomy. Lecture and laboratory.

**395 BIOLOGY OF THE LOWER VERTEBRATES 4 sem. hrs.**

The biology of fish, amphibians, and reptiles. Lecture and laboratory.

**396 BIOLOGY OF THE HIGHER VERTEBRATES 4 sem. hrs.**

The biology of birds and mammals. Lecture and laboratory.



## Chemistry

*Head of the Department:* Bernard L. Ryder. *Office:* Science Building 426.

### MAJOR IN CHEMISTRY

Courses in Chemistry must total 36 semester hours. The following specific courses are required: Chemistry 140, 141, 215, 230, 320, 350, 360, 361, 362, 363; Physics 108 and 109 or 110 and 111. Elective courses may be chosen from Chemistry courses numbered 200 or higher. With permission of the head of the department, certain physics courses may be elected. By electing certain additional chemistry courses, a student may fulfill the requirements of a program approved by the American Chemical Society.

A student who demonstrates high achievement in Chemistry at the pre-college level may take 150 in place of 140 and 141.

Chemistry 110, 112 and 114 may be taken in place of 140. This sequence (7 semester hours total) is designed for students who are not sufficiently prepared for Chemistry 140, and for students who elect to become Chemistry majors or minors after having completed 110.

### COMPREHENSIVE MAJOR IN PHYSICAL SCIENCES

Courses in Chemistry and Physics must total 53 semester hours. The following specific courses are required:

Chemistry: 18 semester hours including 140 and 141 or 150, 215, 230.

Chemistry 110, 112 and 114 may be taken in place of 140.

Physics: 18 semester hours including 108 and 109 or 110 and 111, 252, 270.

The remaining 17 semester hours of credit must be in courses in Chemistry and Physics numbered 200 or higher.

### MINOR IN CHEMISTRY

Courses in Chemistry must total 23 semester hours. The following specific courses are required: Either 140 and 141 or 150, 230. Chemistry 110, 112, and 114 may be taken in place of 140.

### TEACHING FIELDS

#### MAJOR IN CHEMISTRY

Courses in Chemistry must total 36 semester hours. The following specific courses are required: Chemistry 140, 141, 215, 230, 301, 360, 361; Physics 108 and 109 or 110 and 111. Elective courses may be chosen from Chemistry or Physics courses numbered 200 or higher.

A student who demonstrates high achievement in Chemistry at the pre-college level may take 150 in place of 140 and 141.

Chemistry 110, 112 and 114 may be taken in place of 140. This sequence

(7 semester hours total) is designed for students who are not sufficiently prepared for Chemistry 140 and for students who elect to become chemistry or physical science majors or minors after having completed 110.

## COMPREHENSIVE MAJOR IN PHYSICAL SCIENCES

Courses in Chemistry and Physics must total 53 semester hours. The following specific courses are required:

Chemistry: 21 semester hours including 140 and 141 or 150, 215, 230, 301. Chemistry 110, 112 and 114 may be taken in place of 140.

Physics: 18 semester hours including 108 and 109 or 110 and 111, 252, 270.

The remaining 14 semester hours of credit must be in courses in Chemistry and Physics numbered 200 or higher.

## MINOR IN CHEMISTRY

Courses in Chemistry must total 23 semester hours. The following specific courses are required: 140 and 141 or 150, 230. Chemistry 110, 112 and 114 may be taken in place of 140.

## MINOR IN PHYSICAL SCIENCES

Courses in Chemistry and Physics must total 25 semester hours. The following specific courses are required: Either Chemistry 140 and 141, or 150, either Physics 108 and 109, or 110 and 111, Chemistry 230, a course in Physics numbered 200 or higher. Chemistry 110, 112 and 114 may be taken in place of 140.

## COURSES IN CHEMISTRY

### 100 INTRODUCTION TO PHYSICAL SCIENCES 3 sem. hrs.

Science for modern man. A study of selected topics in physics and chemistry and their application to scientific topics of current interest. Efforts will be made to illustrate the role of science in today's world. Not open to students with college credit in chemistry or physics courses. (Also offered as Physics 100.)

### 100-A INTRODUCTION TO PHYSICAL SCIENCE 3 sem. hrs.

A course designed to survey the fields of chemistry and physics. The experimental approach is utilized to develop techniques of observing the universe, postulating models consistent with observations, and the testing of postulations in new situations. Not open to physics or chemistry majors or minors. A student must complete both 100-A and 100-B to receive credit toward graduation.

### 100-B INTRODUCTION TO PHYSICAL SCIENCE 3 sem. hrs.

A continuation of Introduction to Physical Science 100-A.

### 104 ELEMENTS OF CHEMISTRY 4 sem. hrs.

A survey of general chemistry including organic and biochemistry. Designed to meet the requirements for a terminal course for students in nursing and home economics. Cannot be used as a prerequisite for any other chemistry course. Four class meetings per week including one three-hour laboratory period.

**110 FUNDAMENTALS OF CHEMISTRY 4 sem. hrs.**

Fundamental concepts, laws and theories of chemical science and their application to common chemical systems. Four class meetings per week. Students with credit in Chemistry 140, 141 or 150 may not take this course for credit.

**111 FUNDAMENTALS OF CHEMISTRY 3 sem. hrs.**

Elementary organic chemistry of the hydrocarbons and their simple derivatives, fats, carbohydrates, proteins, dyes, textiles, and plastics. Three class meetings per week, including one two-hour laboratory period. Students who have had Chemistry 113 or 230 may not take this course for credit. Prerequisite: Chemistry 110 and 112.

**112 FUNDAMENTAL CHEMISTRY LABORATORY 1 sem. hr.**

Experience in the manipulation of fundamental laboratory apparatus and the means of carrying out chemical syntheses and measurements on chemical systems. One three-hour laboratory period per week. Prerequisite: Chemistry 110 or concurrent registration.

**113 ELEMENTARY ORGANIC CHEMISTRY 5 sem. hrs.**

Introduction to organic chemistry for non-majors. Fundamental principles of aliphatic, alicyclic and aromatic systems; mechanisms of simple organic reactions. Students with credit in Chemistry 111 or 230 may not take this course for credit. Five class meetings per week, including one three-hour laboratory period. Prerequisite: Chemistry 112 or 140.

**114 FUNDAMENTALS OF CHEMISTRY (SUPPLEMENTARY) 2 sem. hrs.**

Additional study of selected topics of general chemistry including structure of matter, states of matter, descriptive chemistry and stoichiometry. Designed for the student who wished to continue the study of chemistry beyond Chemistry 110 or 113. Two class meetings per week. Prerequisite: Chemistry 112 or concurrent registration.

**140 GENERAL CHEMISTRY 5 sem. hrs.**

First half of a two-semester sequence, including fundamental principles. Five class meetings per week, including one three-hour laboratory period. Students who have had Chemistry 110 may not take this course for credit.

**141 GENERAL CHEMISTRY 5 sem. hrs.**

Continuation of Chemistry 140, including the metals and chemical equilibrium as applied to the analytical separation and identification of cations and anions. Five class meetings per week including two three-hour laboratory periods. Prerequisite: Chemistry 114 or 140.

**150 GENERAL CHEMISTRY 6 sem. hrs.**

An accelerated study of the fundamentals of chemistry, designed for the student who demonstrates exceptional ability at the pre-college level. Satisfactory completion of 150 replaces the 140-141 requirement. This allows a student earlier registration in advanced courses, and an additional elective. Admission is by invitation, based on the results of placement tests and other evaluation techniques. Six class meetings per week including two three-hour laboratory periods. Prerequisite: Approval of Head of Department.

**205 PHYSICAL SCIENCES FOR ELEMENTARY TEACHERS 3 sem. hrs.  
(Formerly 225)**

Fundamentals of the Physical Sciences. Includes laboratory experiences designed to acquaint students with science principles necessary for the understanding and teaching of elementary school science. Three two-hour periods of lecture and laboratory per week. (Also offered as Physics 205)

**215 QUANTITATIVE ANALYSIS 4 sem. hrs. (Formerly 231)**

Fundamental principles of the quantitative estimation of metal and nonmetal components of mixtures, compounds, and alloys. Four class meetings per week, including two three-hour laboratory periods. Prerequisite: Chemistry 141 or 150.



**230 ORGANIC CHEMISTRY 5 sem. hrs. (Formerly 240)**

Introduction to chemistry of aliphatic and aromatic organic compounds together with laboratory practice illustrating preparations and reactions typical of functional groups. Five class meetings per week, including two three-hour laboratory periods. Students who have had Chemistry 111 or 113 may not take this course for credit. Prerequisite: Chemistry 141 or 150.

**290 RESEARCH IN CHEMISTRY 1 to 3 sem. hrs. (Formerly 249)**

Development of a better understanding of the significance of research in chemistry through the study of a research problem. Three hours of laboratory, conference, and library research per week for each semester hour of credit. May be repeated for credit up to a total of three semester hours. Prerequisite: 20 semester hours of chemistry; consent of Head of Department.

**300 BASIC CONCEPTS OF CHEMISTRY 3 sem. hrs.**

Modern aspects of chemistry, with emphasis on recent developments in the area of atomic structure. Lecture and laboratory. Designed for teachers of elementary science with limited background in the area of chemistry. Not open to students who have had one semester of college laboratory chemistry within the past ten years, or with first or second fields in chemistry, physics, and the physical sciences. Prerequisite: Physical Sciences 100A and 100B or 205 or two years of teaching experience.

**301 PROBLEMS IN THE TEACHING OF HIGH SCHOOL PHYSICAL SCIENCES 3 sem. hrs.**

A study of modern methods and problems confronting teachers of Physical Sciences. Involves a careful study of CBA, Chem. Study, PSSC, and regular high school chemistry and physics. Brief overview of the K-12 physical science program will be undertaken. For teaching majors only. Prerequisite: 10 semester hours of chemistry and 10 semester hours of physics.

**302 MUNICIPAL AND INDUSTRIAL SCIENCE 3 sem. hrs. (Formerly 332)**

Scientific aspects of community and industrial problems. Includes trips to industries and research laboratories. Lectures and discussion periods involving related chemical and physical principles are coordinated with the field trip program. Gives a background in applied science as an enrichment for classroom teaching. Prerequisite: Twenty-two hours of physical sciences including one year of general chemistry, one year of general physics, and two 200- or 300- level courses in chemistry or physics.

**305 GENERAL SCIENCE 3 sem. hrs. (Formerly 325)**

Objectives of general science. Selection of subject matter, tests, texts, workbooks, equipment, and supplies will be considered. For teachers qualified to teach general science in the elementary, junior high, and senior high schools.

**306 HISTORY OF CHEMISTRY 2 sem. hrs. (Formerly 333)**

Development of chemistry from early times to present. Prerequisite: 16 semester hours of chemistry.

**308 CHEMICAL LITERATURE 2 sem. hrs. (Formerly 334)**

Introduction to chemical literature in journals, handbooks, abstracts, monographs, and patents. Problems requiring literature searches in all fields of chemistry. Prerequisite: 20 semester hours of chemistry.

**311 LABORATORY INSTRUMENTATION 3 sem. hrs. (Formerly 335)**

Lecture-laboratory. Instruments used in chemical analysis. Applications to qualitative and quantitative analyses will be stressed in the laboratory. Not open to chemistry majors or comprehensive majors—see Chemistry 315. Prerequisite: Ten semester hours of chemistry.

**315 INSTRUMENTAL METHODS OF ANALYSIS 3 sem. hrs. (Formerly 345)**

A survey of instrumental methods of chemical analysis including electrometric, spectrophotometric and optical procedures. Prerequisite: 215 or consent of instructor, Chemistry 362 or concurrent registration.

**320 ORGANIC CHEMISTRY 3 sem. hrs. (Formerly 336)**

Chemistry of organic compounds with emphasis on unifying mechanistic features of organic reactions. Prerequisite: Chemistry 230 or permission of the department.

**321 ORGANIC CHEMISTRY LABORATORY 2 sem. hrs. (Formerly 337)**

Laboratory practice in newer techniques and methods of organic chemistry. Two three-hour laboratory periods per week. Prerequisite: Chemistry 320 or concurrent enrollment or permission of Head of Department.

**323 QUALITATIVE ORGANIC ANALYSIS 3 sem. hrs. (Formerly 344)**

Identification of organic compounds with emphasis on modern spectrometric methods. Three class meetings per week including two three-hour laboratory periods. Prerequisite: Chemistry 320.

**325 MODERN METHODS AND TECHNIQUES IN ORGANIC CHEMISTRY  
2 or 3 sem. hrs.**

Modern laboratory techniques associated with synthesis, quantitative analyses, distillations and chromatography. Organic literature searches will be stressed. Prerequisite: Chemistry 321 or equivalent.

**342 INTRODUCTION TO BIOCHEMISTRY 3 sem. hrs.**

Chemistry of the carbohydrates, nucleic acids, vitamins, and enzymes; their degradation, formation, and associated energy changes in biological processes. Three class meetings per week. Prerequisite: Chemistry 215 and either 113 or 230.

**343 INTRODUCTION TO BIOCHEMISTRY LABORATORY 2 sem. hrs.**

Application of biochemical principles and methods discussed in the introductory companion course, Chemistry 342. Two three-hour laboratory periods per week. Prerequisite: Chemistry 342 or concurrent enrollment.

**350 INORGANIC CHEMISTRY 3 sem. hrs. (Formerly 343)**

A survey of modern inorganic chemistry including structure of inorganic compounds, coordination chemistry, non-aqueous solvents and selected inorganic reactions. Prerequisite: Chemistry 362 or concurrent enrollment.

**351 INORGANIC PREPARATIONS 2 sem. hrs.**

Preparation of typical inorganic compounds illustrating special and more advanced techniques. Six hours of laboratory and conference per week. Prerequisite: Chemistry 350 or concurrent enrollment.

**358 RADIOCHEMISTRY 2 sem. hrs. (Formerly 346)**

A survey of nuclear models, theories, and decay schemes. Application of radiochemical methods to elucidation of reaction mechanisms and molecular structure. Prerequisite: Chemistry 362.

**360 PHYSICAL CHEMISTRY 3 sem. hrs. (Formerly 338)**

First of a series in theoretical chemistry dealing with gases, liquids, solutions, thermochemistry, thermodynamics, chemical and phase equilibrium, kinetic theory, and chemical kinetics. Prerequisites: Chemistry 141 or 150; Physics 109 or 111; eight semester hours of chemistry or physics courses numbered 200 or higher; Mathematics 116.

**361 PHYSICAL CHEMISTRY LABORATORY 1 sem. hr. (Formerly 339)**

Laboratory studies of the derivations and applications of principles treated in physical chemistry. One three-hour laboratory period per week. Prerequisite: Chemistry 360 or concurrent registration.

**362 PHYSICAL CHEMISTRY 3 sem. hrs. (Formerly 340)**

Continuation of Chemistry 360, including ionic equilibrium, electrical conductance, electromotive force, photochemistry, spectroscopy, crystals, molecular theory. Prerequisite: Chemistry 360.

**363 PHYSICAL CHEMISTRY LABORATORY 1 sem. hr. (Formerly 341)**

Laboratory studies of the derivations and applications of principles treated in physical chemistry. One three-hour laboratory period per week. Prerequisite: Chemistry 362 or concurrent registration.

**380 TOPICS IN CONTEMPORARY CHEMISTRY 3 sem. hrs. (Formerly 331)**

New concepts and recent developments in the fields of organic, inorganic, analytical, physical and biochemistry. Prerequisite: Chemistry 215 and 320, and consent of instructor.

## *Economics*

*Head of the Department:* Warren R. Harden. Office: Schroeder Hall 338.

### **MAJOR IN ECONOMICS**

The major in Economics must total 26 semester hours. The following specific courses in Economics are required: 100, 101, 215, and 340. A course in Statistics and a course in Economic History are highly recommended. In addition, a student with this major must take a minimum of 18 semester hours in the other social sciences (History, Political Science, Sociology-Anthropology) with at least one course in each of these three categories.

### **MINOR IN ECONOMICS**

Courses in Economics must total 18 semester hours. The following specific courses are required: 100, 101.

The major and minor in Economics are the same for a teaching degree as for a degree in arts and sciences.

### **COURSES IN ECONOMICS**

**100 PRINCIPLES OF ECONOMICS I 3 sem. hrs.**

Consideration of the basic forces that determine the functioning of an economic system. Examination of the factors that determine the level of national income, the allocation of resources and the performance of competing economies.

**101 PRINCIPLES OF ECONOMICS II 3 sem. hrs.**

Analysis of alternative market structures, the distribution of income and economic stability. Consideration of the implications of economic analysis for policy making. Prerequisite: Economics 100.

**205 DEVELOPMENT ECONOMICS 3 sem. hrs.**

The principal determinants of economic development and the problems associated with generating and accelerating economic growth in the less developed areas of the world. Prerequisite: Principles of Economics 101.



**210 COMPARATIVE ECONOMIC SYSTEMS 3 sem. hrs. (Formerly 272)**

Analysis of the theoretical and descriptive aspects of Capitalism, Communism, Fascism, and Socialism. Special emphasis given the process of economic decision-making, particularly with respect to the allocation of resources and economic growth. Prerequisite: Economics 101.

**215 MONEY AND BANKING 3 sem. hrs. (Formerly 278)**

Development of the monetary system of the United States. The growth of banks and the banking system as a managing agency of American financial activities. Prerequisite: Economics 101.

**225 LABOR ECONOMICS AND LABOR PROBLEMS 3 sem. hrs. (Formerly 274)**

Theoretical and empirical study of wage and employment determination, real wages and income distribution, and the role of trade unions and issues of economic security. Prerequisite: 101.

**230 INTRODUCTION TO MATHEMATICAL ECONOMICS 3 sem. hrs. (Formerly 275)**

Designed to acquaint the economics student with some elementary mathematical tools and their applications in economic analysis. Covers elements of graphing and algebra in relation to economic analysis. Prerequisite: Economics 101; General Education Mathematics requirement, or consent of instructor.

**231 BUSINESS AND ECONOMICS STATISTICS 3 sem. hrs.**

An introduction to statistical concepts and methods as utilized in typical business and economic situations. Same as Business Administration 270. Prerequisite: Mathematics 107 or equivalent.

**299 INDEPENDENT HONOR STUDY 1-6 sem. hrs.**

Intensive work in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report and/or examination. Open only to resident students who have achieved superior academic records and who have demonstrated ability to profit from independent study. A maximum of six hours of credit in independent study may be applied toward graduation. Prerequisite: Permission of the instructor, the Head of the Department, and the Dean of Faculties.

**320 INDUSTRIAL ORGANIZATION AND PRICES 3 sem. hrs.**

A theoretical and empirical analysis of the basic influences on industrial markets and industrial performance. Consideration is given to market practices, the role of competition, and related policy issues. Prerequisite: Economics 101.

**330 OPERATIONS RESEARCH 3 sem. hrs.**

Quantitative techniques for economic analysis and decision making. Includes linear programming, input-output analysis, game theory, queuing theory with particular emphasis on applications to the theory of the firm. Prerequisite: Economics 230 or equivalent.

**335 TRANSPORTATION 3 sem. hrs. (Formerly 370)**

Development of railway, waterway, air, and highway transportation. Considerable attention is given to the major problems growing out of increased traffic and its regulation. Major emphasis on contemporary conditions and problems. Prerequisite: Economics 101.

**340 INTERMEDIATE MICROECONOMIC THEORY 3 sem. hrs. (Formerly 371)**

The theory of consumer behavior and of the firm and determination of prices of consumer goods, productive services, and capital goods. Considerable emphasis upon resource allocation. Prerequisite: Economics 101.

**341 INTERMEDIATE MACROECONOMIC THEORY 3 sem. hrs.**

Detailed examination of the theoretical basis of modern explanations of economic stability and relative shares in the national income. Prerequisite: Principles of Economics 101.

**345 INTERNATIONAL ECONOMICS 3 sem. hrs. (Formerly 379)**

Designed to examine such basic aspects of the international economy as the reasons for trade, the terms of trade, and the adjustments necessary to achieve the highest possible plane of living. Particular emphasis on the tariff issue and the purposes and functions of the international financial institutions now extant. Prerequisite: Economics 101.

**350 PUBLIC FINANCE 3 sem. hrs.**

Principles involved in determining (1) the most desirable amount of government spending, and (2) the effects of various types of taxes and other sources of government revenue. Prerequisite: Economics 101.

**372 HISTORY OF ECONOMIC THOUGHT 3 sem. hrs. (Formerly 378)**

Economic thought and theory from ancient to modern times. Emphasis on those ideas which influenced the economic development of western civilization. Prerequisite: Economics 101.

**390 SELECTED STUDIES IN ECONOMICS 3 sem. hrs. (Formerly 377)**

The field of study covered will vary each semester according to the interests and needs of the students and the availability of instructors. Provided different material is covered, the course may be taken more than once. Prerequisite: Economics 101.

## *English*

### **(Including Journalism)**

*Head of the Department:* Henry H. Adams. Office: Stevenson Hall 409.

The courses offered by the Department of English fall into three categories: those for the general education program, those for major and minor fields, and those for specialized aspects in English. A few general statements about the offerings in English follow.

Students who on the entrance test demonstrate excellence in English may take proficiency tests for credit in Language and Composition 101.

English 101 is prerequisite to all subsequent courses in English, except that English 165 and 167 may be taken concurrently with English 101.

Students who contemplate the possibility of entering graduate study in English, either at this University or another, may find it advisable to take at least one year in a foreign language, preferably French or German. Such students may also find it advisable to take a sequence of courses leading to a concentration in literature of England and America, children's literature, or professional studies in English. Such a program should be worked out in consultation with the Head of the Department.

## **MAJOR IN ENGLISH**

Courses in English must total 35 semester hours exclusive of 101 and 102. The following distribution of hours is required: nine semester hours from courses numbered 213, 214, 215, 216, 217, 218, and 219; six semester hours of courses numbered 231, 232, 233, and 234; 241 or 243 or 341; 222 or 223; and fourteen semester hours of electives in English of which three hours must be at the 300 level. The following courses may not be used in meeting the requirements for

this major: 103, 104, 105, 170, 271, 272, 273, 290, 296, 297, 370, 372, 375, 390, and 395. Not more than eight semester hours may be counted from the following courses: 165, 166, 294, 295; other journalism courses may not count toward a major in English.

### **MINOR IN ENGLISH**

Courses in English must total 24 semester hours exclusive of 101 and 102. The following distribution of hours is required: 110 and 130; six semester hours in courses numbered 213, 214, 215, 216, 217, 218, and 219; six semester hours of courses numbered 231, 232, 233, and 234; either 241 or 243; and three semester hours of electives at the 300 level. The following courses may not count toward this minor: 103, 104, 105, 167, 170, 267, 268, 271, 272, 273, 294, 295, 370, 372, 375, 390, 395.

### **MINOR IN JOURNALISM**

Courses must total 24 semester hours. The following specific courses are required: 165, 166, 167, 267, Speech 360. A minimum of six hours must be taken from the following cognate electives: English 247, 294, 295, Political Science 221, Political Science 222, Political Science 311, Education 241, and Speech 160. Minimum requirements must be completed from the following electives: English 268, Speech 262, Speech 263, Industrial Technology 153, Accounting 131, Business Administration 256; or from other courses selected with the consent of the adviser. Prerequisite: typing ability.

Students majoring in English and minoring in journalism may not count journalism courses toward their major.

## **TEACHING FIELDS**

### **MAJOR IN ENGLISH**

Courses in English must total 37 semester hours exclusive of 101 and 102. The following courses in English are required: 110, 130, 145, 150, 241, and 243.

Not more than eight semester hours may be counted from these courses in journalism: 165, 166, 294, 295; other journalism courses may not count toward a major in English.

### **MINOR IN ENGLISH**

Courses in English must total 27 semester hours, exclusive of 101 and 102. The following courses are required: 104 or 105, 110, 130, 241 and 243.

Not more than 5 semester hours may be counted from these courses in journalism: 165, 294, and 295; other journalism courses may not count toward a minor in English.

### **MINOR IN JOURNALISM**

Courses must total 23 semester hours. The following courses are required: 165, 166, 167, 267, 294, 295, Speech 360, Industrial Technology 153. Prerequisite: typing ability.



Students majoring in English and minoring in journalism may not count journalism courses toward their major.

## COURSES IN ENGLISH

(Courses in journalism are numbered 160-169, 260-269, and 294-295.)

### 101 LANGUAGE AND COMPOSITION 3 sem. hrs.

Essentials of college composition: organization, paragraph and sentence structure, proficient use of grammar and mechanics. Written essays and reading of prose examples. Does not count toward a first or second field in English. Prerequisite to all subsequent courses in English, except that English 165 and 167 may be taken concurrently with English 101.

### 102 LANGUAGE AND COMPOSITION 3 sem. hrs.

A continuation of the work done in English 101 with attention to specific expository forms. Written essays and reading in significant prose works. Does not count toward a first or second field in English.

### 103 LITERATURE AND COMPOSITION 2 sem. hrs.

Basic forms of literary art—lyric, narrative, and dramatic. Written essays, mainly analytical, to reinforce the study. Reading in significant literary works. Not open to students who have earned credit in English 104.

### 104 INTRODUCTION TO LITERATURE—POETRY AND DRAMA 3 sem. hrs.

Critical and analytical study of the chief literary forms: prose and poetry; narrative, lyric, and dramatic manners of treatment. Readings in exemplary works of literature. Written essays—critical and analytical. Not open to students who have earned credit in English 103.

### 105 INTRODUCTION TO LITERATURE—PROSE FICTION 3 sem. hrs.

Studies of the novel and the short story. Analysis of the technique of fiction through readings of representative works of major writers. Not open to students who have earned credit in English 102.

### 110 MASTERPIECES OF ENGLISH LITERATURE 3 sem. hrs.

A chronological study of the main movements in English literature. Designed to give the student a historical rationale for more advanced work. Readings of entire works representative of the movements.

### 130 MASTERPIECES OF AMERICAN LITERATURE 3 sem. hrs.

A chronological study of the main movements in American literature. Designed to give the student a historical rationale for more advanced work. Readings of entire works representative of the movements.

### 145 ADVANCED EXPOSITION 3 sem. hrs.

Extensive writing based on interests of students. One research paper.

### 150 ANCIENT LITERATURE 3 sem. hrs.

Selected readings in ancient Greek, Roman, and Oriental literatures in translation studied for an appreciation of their contributions to modern culture. Students who have had the former World Literature 254 may not take this course for credit.

### 165 ELEMENTARY REPORTING 3 sem. hrs.

Introduction to the technique of the news story and to the duties and responsibilities of the reporter. Students do a limited amount of reporting for *The Vidette*, and by the end of the term are qualified to assume the duties of staff reporters.

### 166 ADVANCED REPORTING 3 sem. hrs.

Practical course in which students review their work of the previous semester, study

feature writing, and serve as reporters for *The Vidette*. Prerequisite: English 165 or equivalent.

**167 HISTORY AND PRINCIPLES OF JOURNALISM 3 sem. hrs.**

(Formerly 163)

History and development of journalism in the United States, with special attention to leading journalists in the past. Survey of the entire field of journalism today with emphasis upon desirable journalistic standards and the place of journalism in modern education.

**170 LITERATURE FOR THE ELEMENTARY SCHOOL 3 sem. hrs.**

Prose and verse for kindergarten and the eight grades. Selections from folk and modern literature, both fanciful and realistic, and emphasis upon well-known materials. This course is also offered as Library 170. Students who have had the former Folk Literature for Children 102 may not take this course for credit.

**213 MEDIEVAL ENGLISH LITERATURE 3 sem. hrs.**

English literature during the Middle Ages, from the fourth century to the fourteenth, exclusive of Chaucer. Readings in translation from the Middle English. Prerequisite: English 110.

**214 LITERATURE OF THE RENAISSANCE 3 sem. hrs.**

English literature during the fifteenth and sixteenth centuries: the dramatic literature exclusive of Shakespeare, prose and poetic writings. Prerequisite: English 110.

**215 LITERATURE OF THE SEVENTEENTH CENTURY 3 sem. hrs.**

Prose and verse writers of the seventeenth century exclusive of Milton. Chief attention to the Cavalier and Metaphysical poets and major prose works. Prerequisite: English 110.

**216 LITERATURE OF THE EIGHTEENTH CENTURY 3 sem. hrs.**

English literature from 1660 to 1780, the Augustan Age. Chief attention to Dryden, Pope, Swift, and Johnson. Prerequisite: English 110.

**217 LITERATURE OF THE ROMANTIC PERIOD 3 sem. hrs.**

Writers of England, 1780 to 1830—the Romantic reaction. Chief attention to Wordsworth, Coleridge, Byron, Shelley, Keats, and Scott. Students who have had the former Survey of English Literature 122 may not take this course for credit. Prerequisite: English 110.

**218 LITERATURE OF THE NINETEENTH CENTURY 3 sem. hrs.**

Literature of the Victorian Period with some reference to social, political, and philosophical trends. Emphasis on the poetry of Tennyson, Browning, Arnold, and the Pre-Raphaelites. Some attention to the chief prose writers of the period. Students who have had the former Survey of English Literature 122 may not take this course for credit. Prerequisite: English 110.

**219 CONTEMPORARY ENGLISH LITERATURE 3 sem. hrs.**

Major English writers of the twentieth century with attention to contemporary trends in thought and expression. Prerequisite: English 110.

**220 CHAUCER 3 sem. hrs.**

A literary and linguistic study of the major writings of Chaucer, chiefly *The Canterbury Tales*. Readings in Middle English. Prerequisite: English 110.

**222 SHAKESPEARE: THE COMEDIES AND HISTORIES 3 sem. hrs.**

A survey of representative plays with some attention to the man, his contemporaries, his age, and his maturation. Prerequisite: English 110.

**223 SHAKESPEARE: THE TRAGEDIES 3 sem. hrs.**

A survey of representative tragedies with attention to Shakespeare's mature genius. Prerequisite: English 110.

**224 MILTON 3 sem. hrs.**

Chief prose writings and poems of John Milton. Chief attention to *Paradise Lost*. Includes John Bunyan. Prerequisite: English 110.

**231 AMERICAN LITERATURE, 1607 to 1830 3 sem. hrs.**

Colonial American writers and Neo-Classicism in America from the beginnings of American literature to Washington Irving. Prerequisite: English 130.

**232 AMERICAN LITERATURE, 1830 to 1870 3 sem. hrs.**

The main figures and movements of nineteenth-century American literature. Emphasis on Hawthorne, Melville, Poe, Emerson, and Whitman. Prerequisite: English 130.

**233 AMERICAN LITERATURE, 1870 to 1920 3 sem. hrs.**

The rise of realism and naturalism in America. Emphasis on Crane, Norris, James, Howells, Dreiser, and the chief poetic movements. Prerequisite: English 130.

**234 CONTEMPORARY AMERICAN LITERATURE 3 sem. hrs.**

Present-day movements in American literature. Emphasis on Eliot, Pound, Hemingway, Faulkner, and their contemporaries. Prerequisite: English 130.

**235 AFRO-AMERICAN LITERATURE 3 sem. hrs.**

A study of the contributions to American literature—prose, fiction, drama, poetry, essays—by representative Negro authors, with emphasis on the twentieth century. No prerequisite courses.

**241 GROWTH AND STRUCTURE OF THE ENGLISH LANGUAGE 3 sem. hrs.**

Growth and characteristics of English designed to help students understand language change and current problems in spelling, grammar, usage, and vocabulary.

**243 ENGLISH GRAMMAR 3 sem. hrs.**

Historical and descriptive study of the sentence and its parts to give the student background for teaching accepted usage in language, punctuation, sentence structure, and essential grammar.

**245 GENERAL SEMANTICS 3 sem. hrs.**

The nature of meaning and the functions of language, designed to improve accuracy of communication and to provide a technique for analyzing false and misleading statements.

**247 CREATIVE WRITING 2 sem. hrs.**

Opportunity for creative writing of various kinds, as narrative, drama, verse, criticism, editorial, and the article, determined largely by each student's individual interest.

**251 LITERATURE OF THE BIBLE 3 sem. hrs.**

Chief literary forms of the Old Testament from the point of view of their artistic achievement.

**252 EUROPEAN LITERATURE TO 1700 3 sem. hrs.**

Chief movements and works of Continental European literature from the Middle Ages to the Renaissance. Designed to give the student a general knowledge of the literary heritage of Europe. Readings in translation.

**254 EUROPEAN LITERATURE, 1700 to 1850 3 sem. hrs.**

Main movements of Continental European literature from the Renaissance to modern times. Readings in translation.

**255 MODERN WORLD LITERATURE 3 sem. hrs.**

Foreign literature in translation, especially fiction, of the past one hundred years.

**267 NEWSPAPER LABORATORY I 3 sem. hrs.**

Experience in all aspects of newspaper editing for journalism minors. Supervised experience in the production of the ISU student newspaper or other local newspaper in



areas of copyreading, rewriting, makeup, planning, research, and verification of information.

**268 NEWSPAPER LABORATORY II 3 sem. hrs.**

A continuation of Newspaper Laboratory I which provides practical experience in photography, advertising, and the financial aspects of newspaper production. Prerequisite: Newspaper Laboratory I.

**271 LITERATURE FOR LOWER GRADES 3 sem. hrs.**

Traditional fairy and folk tales, myths, legends, fables, and modern fanciful and realistic stories for kindergarten-primary grades. Also offered as Library 271. Does not repeat materials of English 170. Students who have had the former English 202 may not take this course for credit.

**272 LITERATURE FOR UPPER GRADES 3 sem. hrs.**

Literature especially selected for middle and upper grades. Also offered as Library 272. Does not repeat materials of English 170.

**273 VERSE FOR CHILDREN 3 sem. hrs.**

Verse for use in the kindergarten and eight elementary grades. Students who have had the former English 203 may not take this course for credit.

**285 THE DRAMA 3 sem. hrs.**

Dramatic forms as literature from Greece to modern times. Readings in translation.

**286 THE NOVEL 3 sem. hrs.**

The novel in English with emphasis on the nineteenth and twentieth centuries.

**290 LANGUAGE ARTS FOR THE ELEMENTARY SCHOOL 3 sem. hrs.**

Guidance for the elementary teacher in devising experiences in thinking, speaking, writing, and listening. Ways of improving pupils' vocabularies, usage, spelling, and mechanics of writing. Development of criteria for pupil selection of books, magazines, movies, and radio programs. Acquaintance with the professional literature of the field.

**294 SCHOOL NEWSPAPER AND COMMUNITY RELATIONS 3 sem. hrs.**

Designed primarily for future teachers who hope to become newspaper advisers and school publicity writers, but also useful for industrial publications editors and public relations persons. Among topics covered are planning, financing, and publishing the small newspaper; methods of printing; advertising; and distribution. Consideration also given to working with administration, school board, and community members, and preparing news releases and feature stories for distribution in mass media.

**295 THE ANNUAL AND PERIODICAL 3 sem. hrs.**

Theoretical study of editorial and business problems of the school annual and literary and commercial magazines—staff organization, graphic reproduction, photography, layout, advertising, circulation, budgeting, materials, editorial problems, and art themes. Examination of school annuals, school literary magazines, and commercial magazines at the various cost levels.

**296 LITERATURE FOR THE HIGH SCHOOL 2 sem. hrs.**

Literature for use in secondary school English programs. Criteria for selection. Acquaintance with the professional literature of the field.

**297 LANGUAGE AND COMPOSITION IN THE SECONDARY SCHOOL  
2 sem. hrs.**

The teaching of oral and written composition in the junior and senior high school. Emphasis on devices for improving pupil vocabularies, diction, and mechanics. Reading of professional literature in the field.

**298 ENGLISH SEMINAR 3 sem. hrs.**

Intensive study of a genre, topic, group of authors, or single major writer in English

or American Literature. Open only to seniors majoring in English, by invitation from the Head of the English Department. May be repeated once, provided the content differs.

**299 INDEPENDENT HONOR STUDY 1-6 sem. hrs.**

Intensive work in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report and/or examination. Open only to resident students who have achieved superior academic records and who have demonstrated ability to profit from independent study. A maximum of six hours of credit in independent study may be applied toward graduation. Prerequisite: Permission of the instructor, the Head of the Department, and the Dean of the Faculties.

**306 REGIONAL AND AREA STUDIES 1-9 sem. hrs.**

An intensive study of particular lands, environments, cultures, literatures, and peoples. May be given in cooperation with other departments, on or off campus. The areas to be studied, participating departments, and credit hours available in the several departments will be announced each time the course is offered.

**310 HISTORY AND DEVELOPMENT OF THE ENGLISH LANGUAGE  
3 sem. hrs.**

Historical approach to the development of the English language. To help student and prospective teacher discover reasons behind the meanings, spellings, syntax, and usage of contemporary English.

**311 OLD ENGLISH 3 sem. hrs.**

The elements of Old English grammar, with selected readings.

**312 ADVANCED OLD ENGLISH: BEOWULF AND OTHER POEMS 3 sem. hrs.**

*Beowulf* and other Anglo-Saxon poetry in Old English with discussion of forms, types, and characteristics. Prerequisite: English 311.

**317 PHILOSOPHICAL AND CRITICAL PROSE OF THE VICTORIAN PERIOD  
3 sem. hrs.**

Chief prose writers of the century and their contribution to the thought of the present time.

**325 ENGLISH DRAMA BEFORE 1642 3 sem. hrs.**

English Drama from its beginnings in the Medieval Church to the closing of the theaters. Special attention is given to the plays of Marlowe and Jonson.

**327 RESTORATION AND EIGHTEENTH-CENTURY ENGLISH DRAMA  
3 sem. hrs.**

English Drama from the Restoration in 1662 through Sheridan.

**328 MODERN BRITISH AND AMERICAN DRAMA 3 sem. hrs.**

Readings in twentieth-century British and American plays and related critical documents.

**332 SELECTED FIGURES IN AMERICAN LITERATURE 3 sem. hrs.**

Concentrated coverage of one or more important literary figures. If different material is covered, the course may be repeated. Prerequisite: English 130.

**341 INTRODUCTION TO DESCRIPTIVE LINGUISTICS 3 sem. hrs.**

Aims and methods of linguistic science. Nature and functions of language; phonemics, morphemics, syntactic structures, synchronic dialectology. Some attention to non-Indo-European language systems and the relationship of language to culture.

**342 INTRODUCTION TO HISTORICAL LINGUISTICS 3 sem. hrs.**

Writing systems, reconstruction of extinct languages, historical comparative linguistics concentrating on the Indo-European family. Causes and effects of linguistic change: phonological, grammatical, lexical, and semantic with attention to languages in contact and the formation and divergence of dialects. Prerequisite: English 341.

**348 PLAYWRITING 3 sem. hrs.**

Playwriting techniques of selected masters of dramaturgy, with practical application of the techniques in the writing of original plays. Both literary and professional aspects of writing for the theater are considered. When possible, opportunity will be provided for the laboratory production of original scripts of quality in University theater-workshop projects.

**370 STUDIES IN THE HISTORY OF LITERATURE FOR YOUNG PEOPLE  
3 sem. hrs.**

Advanced critical, chronological study of literature for children and young people to 1900. If different material is covered, the course may be repeated.

**372 STUDIES IN CONTEMPORARY LITERATURE FOR YOUNG PEOPLE  
3 sem. hrs.**

Advanced study in contemporary literature for children and young people. If different material is covered, the course may be repeated.

**375 STUDIES IN LITERATURE FOR ADOLESCENTS 3 sem. hrs.**

Advanced study of literature for grades seven through twelve. If different material is covered, the course may be repeated.

**382 LITERARY CRITICISM 3 sem. hrs.**

Survey of critical and esthetic theory designed to aid the student in evaluating ancient and modern literature.

**386 THE EIGHTEENTH CENTURY ENGLISH NOVEL 3 sem. hrs.**

The English novel from its beginning through the eighteenth century. Prerequisite: English 110.

**387 THE NINETEENTH CENTURY ENGLISH NOVEL 3 sem. hrs.**

The English novel from Matthew Lewis through Thomas Hardy.

**388 THE TWENTIETH-CENTURY ENGLISH NOVEL 3 sem. hrs.**

The twentieth-century English novel from Arnold Bennett through Lawrence Durrell.

**390 RECENT RESEARCH IN THE TEACHING OF THE LANGUAGE ARTS  
2 sem. hrs.**

Critical study of current practice and research in the teaching of the language arts in the elementary school.

**395 PROBLEMS IN THE TEACHING OF ENGLISH 2 sem. hrs.**

Critical examination of current practice and research in the teaching of language, literature, and composition in the junior high school and the senior high school. To aid the teacher in meeting individual problems. Prerequisite: experience in teaching (student teaching acceptable) or 296 or 297.

**399 MULTI-DISCIPLINARY SEMINAR 3 sem. hrs.**

Intensive study in a given topic or topics which cut across disciplinary lines, to be offered cooperatively by two or more departments.



## *Foreign Languages*

*Head of the Department:* Thomas E. Comfort. *Office:* Stevenson Hall, 425A.

Students who have had no previous instruction in foreign language enroll in the course numbered 111 (French, German, Latin, Russian, Spanish). Students who have had one, two, or three years of a language in high school may enroll without examination in 112, 115, or 116, respectively. Students who have completed successfully four years of work in a foreign language in high school should consult with the Head of the Department of Foreign Languages to determine proper placement.

The Department of Foreign Languages reserves the right to examine a transfer student as to his ability to carry courses numbered in the 300's.

A student must complete both semesters of the first year of foreign language, that is, courses numbered 111 and 112, to receive credit toward graduation.

### **MAJOR IN FRENCH**

Courses in French must total 33 semester hours. The following specific courses are required: 111, 112, 115, 116, 221, 222, 231. French 203 may not be counted toward this major in Arts and Sciences.

### **MINOR IN FRENCH**

Courses in French must total 25 semester hours. The following specific courses are required: 111, 112, 115, 116, 231. French 203 may not be counted toward this minor in Arts and Sciences.

### **MAJOR IN GERMAN**

Courses in German must total 33 semester hours. The following specific courses are required: 111, 112, 115, 116, 213, 221, 222.

### **MINOR IN GERMAN**

Courses in German must total 25 semester hours. The following specific courses are required: 111, 112, 115, 116, 213.

### **MAJOR IN LATIN**

Courses in Latin must total 33 semester hours. The following specific courses are required: 115, 116, 201, 202, 215, 226.

### **MINOR IN LATIN**

Courses in Latin must total 25 semester hours. The following specific courses are required: 115, 116, 201, 202, 215, 226.

**MAJOR IN RUSSIAN**

Courses in Russian must total 33 semester hours. The following specific courses are required: 111, 112, 115, 116, 221, 222, 231.

**MINOR IN RUSSIAN**

Courses in Russian must total 25 semester hours. The following specific courses are required: 111, 112, 115, 116, 231.

**MAJOR IN SPANISH**

Courses in Spanish must total 33 semester hours. The following specific courses are required: 111, 112, 115, 116, 211, 216, 221, 222 or 242, 231. Spanish 203 may not be counted toward this major in Arts and Sciences.

**MINOR IN SPANISH**

Courses in Spanish must total 25 semester hours. The following specific courses are required: 111, 112, 115, 116, 211, 231. Spanish 203 may not be counted toward this minor in Arts and Sciences.

**TEACHING FIELDS****MAJORS IN FRENCH, RUSSIAN, AND SPANISH**

Courses in French, Russian, or Spanish must total 33 semester hours. The following specific courses are required: 111, 112, 115, 116, 204, 231.

**MAJOR IN GERMAN**

Courses in German must total 33 semester hours. The following specific courses are required: 111, 112, 115, 116, 204, 213.

**MAJOR IN LATIN**

Courses in Latin must total 33 semester hours. The following specific courses are required: 115, 116, 201, 202, 204, 215.

**MINORS IN FRENCH, RUSSIAN, AND SPANISH**

Courses in French, Russian, or Spanish must total 25 semester hours. The following specific courses are required: 111, 112, 115, 116, 204, 231.

**MINOR IN GERMAN**

Courses in German must total 25 semester hours. The following specific courses are required: 111, 112, 115, 116, 204, 213.

**MINOR IN LATIN**

Courses in Latin must total 25 semester hours. The following specific courses are required: 115, 116, 201, 202, 204, 215.

**COURSES IN FOREIGN LANGUAGES**

Courses are listed under nine topics: General Courses, French, German, Greek, Italian, Latin, Portuguese, Russian, and Spanish.

**GENERAL COURSES****204 FOREIGN LANGUAGE TEACHING IN THE SECONDARY SCHOOL**

**1 sem. hr.**

Concepts and methods. Preparation of audio-lingual exercises, including pattern drills on tapes for language laboratory use. Lesson plan and testing. Operation and management of a foreign language laboratory. Sources and uses of teaching aids, such as filmstrips, films, charts, and maps. Lectures, discussions, individual projects, and observation of classes. Prerequisite: Two courses in a foreign language at the 200 level.

**299 INDEPENDENT HONOR STUDY 1-6 sem. hrs.**

Intensive work in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report and/or examination. Open only to resident students who have achieved superior academic records and who have demonstrated ability to profit from independent study. A maximum of six hours of credit in independent study may be applied toward graduation. Prerequisite: Permission of the instructor, the Head of the Department, and the Dean of the Faculties.

**300 RESEARCH IN FOREIGN LANGUAGES 1-3 sem. hrs.**

Supervised work in a foreign literature, in comparative language studies, or in educational materials for foreign language laboratory. Assignments will depend on the preparation and interest of the student. By arrangement with the Head of the Department of Foreign Languages.

**FRENCH****111 and 112 FIRST-YEAR FRENCH Each 4 sem. hrs.**

Pronunciation; essentials of grammar; exercises in hearing, speaking, and writing French; reading material of graded difficulty.

**113 FRENCH CONVERSATIONAL PRACTICE 2 sem. hrs.**

Intermediate level conversational practice. Exercises to improve diction, pronunciation, intonation, and comprehension. Prerequisite: French 112 or equivalent.

**114 FRENCH COMPOSITION PRACTICE 2 sem. hrs.**

Intermediate level composition practice. Supplementation and review of structure and grammar of written French by compositions involving use of currently idiomatic French. Prerequisite: French 112 or equivalent.

**115 and 116 SECOND-YEAR FRENCH Each 4 sem. hrs.**

Class reading of short stories, plays, and essays. Grammar review, oral and written composition. Prerequisite: French 112 or two years of high school French.

**201 INTRODUCTION TO FRENCH LITERATURE AND CULTURE 3 sem. hrs.**

General survey of representative works of main literary movements in French literature, with emphasis on French thought and culture. Prerequisite: French 116 or equivalent. Does not count toward major in French.



**203 FRENCH FOR THE ELEMENTARY SCHOOL 3 sem. hrs.**

Practical exercises in the preparation and the use of classroom materials, such as drills, games, songs, etc. Discussion of objectives, methods, and techniques. Demonstration and use of audio-visual aids. Observation of classes. Required of a Resource Person in French in Elementary Education. Prerequisite: French 116; a French pronunciation test. Does not count toward major or minor.

**211 MODERN FRENCH NOVEL 3 sem. hrs.**

Class and collateral reading of the novel of the nineteenth and twentieth centuries. Prerequisite: French 116.

**216 MODERN FRENCH DRAMA 3 sem. hrs. (Formerly 215 and 216)**

Class and collateral reading of the drama of the nineteenth and twentieth centuries. Prerequisite: French 116.

**217 CIVILISATION FRANCAISE 2 sem. hrs.**

French people and institutions as background for the French teacher. Prerequisite: French 116.

**221, 222 and 223 SURVEY OF FRENCH LITERATURE Each 3 sem. hrs.**

French literature from the seventeenth century to the present. Prerequisite: French 116.

**231 ADVANCED FRENCH COMPOSITION AND CONVERSATION 2 sem. hrs.**

Reading of short excerpts from modern writers; written and oral composition; dictation and memorizing of short passages. Prerequisite: French 116.

**301 FRENCH ROMANTICISM 3 sem. hrs.**

Reading of poetry, novels, plays, criticism, stories, and history. Class conducted in French. Prerequisite: French 221, 222.

**302 FRENCH CLASSICISM 3 sem. hrs.**

Reading of plays by Corneille, Racine, and Moliere, and of selections from other seventeenth century writers. Class conducted in French. Prerequisite: French 221, 222.

**309 FRENCH PHONETICS 2 sem. hrs.**

A scientific approach to French pronunciation. Correct formation of French sounds; practical application of the theory of phonetics to its teaching. Practice in the diction of ordinary conversation as well as the more formal diction of public reading and speaking. Prerequisite: Two courses in French literature.

**316 FRENCH LITERATURE OF THE SIXTEENTH CENTURY 3 sem. hrs.**

Analysis of the Renaissance as it expressed itself in the leading writers of France in the 16th century. Prerequisite: Two courses in French literature.

**318 MOLIERE 3 sem. hrs.**

Major comedies of Moliere, together with some of the farces and comedies ballets.

**332 FRENCH LYRIC POETRY 2 sem. hrs. (Formerly 232)**

Reading of French Lyrics from the 16th century to the present; study of the schools of poetry; **explication de texte**. Oral reading. Prerequisites: French 221, 222.

**385 SELECTED STUDIES IN FRENCH LITERATURE 3 sem. hrs.**

Intensive study of a genre, group of authors or a single major writer in French Literature. The field of study will vary each semester according to the interests and needs of students and the availability of instructors. Provided different material is covered, the course may be taken for credit more than once.

**GERMAN****111 and 112 FIRST-YEAR GERMAN Each 4 sem. hrs.**

Pronunciation, essentials of grammar, reading of easy German stories, oral and written exercises based on the material read. Not open to students who have had German 113 except by permission of the Head of the Department.

**113 ELEMENTARY GERMAN COMPOSITION AND CONVERSATION 2 sem. hrs.**

Oral and written exercises and short discussions leading to a command of elementary, idiomatic German. Major emphasis on composition. Prerequisite: German 112 or equivalent.

**115 and 116 SECOND-YEAR GERMAN Each 4 sem. hrs.**

Intensive grammar review; oral and written composition. Class reading and discussion of simple German stories. Prerequisite: German 112 or two years of high school German.

**118 SCIENTIFIC GERMAN 4 sem. hrs.**

An analytical approach to translation problems on the intermediate level. The development of a scientific vocabulary and the interpretation of German scientific literature with the help of a dictionary. Particularly suited for majors and minors in the sciences. Prerequisite: German 115 or equivalent.

**211 GERMAN NOVEL 3 sem. hrs.**

Rapid reading in the novel and *Novelle* from Goethe to the present time. Prerequisite: German 116.

**213 INTERMEDIATE GERMAN COMPOSITION AND CONVERSATION 2 sem. hrs.**

Continued intensification of writing and speaking skills; vocabulary building and practice in oral and idiomatic expressions; review of the subjunctive; reading of radio plays. Prerequisite: German 113 or equivalent and German 116 or equivalent.

**216 GERMAN DRAMA 3 sem. hrs.**

Lectures and readings of representative works of outstanding German, Austrian, and Swiss dramatists. Prerequisite: German 116.

**217 GERMAN CULTURE AND CIVILIZATION 3 sem. hrs.**

An overview of German culture from the beginning to the present; reading and discussion of aspects of German life, art, and thought by nineteenth and twentieth century German authors. Prerequisite: German 116 or equivalent.

**221 and 222 SURVEY OF GERMAN LITERATURE Each 3 sem. hrs.**

Class and collateral reading of representative works of the most important authors from the eighth century to the present time. Prerequisite: German 116.

**223 GERMAN PROSE OF THE TWENTIETH CENTURY 2 sem. hrs.**

The novels and short stories of particularly Hesse, Musil, and Mann. Class reading, individual reports, and discussions. Lectures present the total contribution of authors in the light of contemporary thought and trends. Prerequisite: German 116.

**232 GERMAN LYRIC POETRY 3 sem. hrs.**

Reading and interpretation of German lyric poetry from 800 A.D. to the present. Prerequisite: German 116.

**302 and 303 GOETHE AND SCHILLER Each 3 sem. hrs.**

Classic German literature with emphasis on the dramas of Goethe and Schiller. Lectures, collateral reading, and reports. Prerequisite: Two courses in German beyond 116.

**309 GERMAN PHONETICS 2 sem. hrs.**

A scientific approach to German pronunciation; correct formation of German sounds; practical application of the theory of phonetics to its teaching. Prerequisite: Two courses in German literature.

**313 ADVANCED GERMAN COMPOSITION AND CONVERSATION 2 sem. hrs.**

Free discussion of topics of contemporary interest; assignment of oral and written themes based on the class discussions. Prerequisite: German 213 or equivalent.

**318 GOETHE'S FAUST 3 sem. hrs.**

A critical study of Parts I and II of *Faust* as literature and as an expression of Goethe's philosophy. Lectures, assigned readings, and reports. Prerequisite: Two courses in German beyond 116.

**332 GERMAN LYRIC POETRY 2 sem. hrs.**

Reading and interpretation of German lyric poetry from 800 A.D. to the present.

**385 SELECTED STUDIES IN GERMAN LITERATURE 3 sem. hrs.**

Intensive study of a genre, group of authors or a single major writer in German Literature. The field of study will vary each semester according to the interests and needs of students and the availability of instructors. Provided different material is covered, the course may be taken for credit more than once.

## GREEK

**111 and 112 CLASSICAL GREEK Each 4 sem. hrs.**

The Greek alphabet, pronunciation, essentials of grammar, translation of reading material of graded difficulty, exercises in writing Classical Greek, consideration of the Greek element in English. Prerequisite for a master's degree in Latin.

## ITALIAN

**111 and 112 FIRST-YEAR ITALIAN Each 4 sem. hrs.**

Pronunciation; essentials of grammar; exercises in comprehending, speaking, and reading material of graded difficulty.

## LATIN

**111 and 112 FIRST YEAR LATIN Each 4 sem. hrs.**

The equivalent of the first two years of high-school Latin, planned especially for students who wish to be Latin teachers but who had no opportunity for Latin study in high school.

**115 INTERMEDIATE LATIN 4 sem. hrs.**

Review of Latin fundamentals. Practice in writing simple Latin. Reading beginning with graded Latin selections and progressing to selections from Cicero's orations. Prerequisite: Latin 112 or two years of high-school Latin or equivalent.

**116 VERGIL 4 sem. hrs.**

*Aeneid*, Books I-VI: the purpose, sources, merits, and fame of the *Aeneid*, and its references to other classic epics; poetical syntax, figures of speech, prosody, and mythology in the *Aeneid*. Prerequisite: Latin 115 or three years of high school Latin.

**201 and 202 SURVEY OF LATIN LITERATURE Each 4 sem. hrs.**

Introduction to the history and development of Latin literature. Translation of representative selections from the works of the most important authors of the Republic and Empire. Prerequisite: Latin 116 or three years of high school Latin.



**211 CICERO'S ESSAYS 3 sem. hrs.**

Reading of Cicero's *De Senectute* and *De Amicitia*. An appreciation of these essays as literary masterpieces, both in language and in thought. Discussion of the treatment of the same themes by other writers, ancient and modern. Syntax and figures peculiar to Cicero. Prerequisite: Latin 202.

**212 PLAUTUS AND TERENCE 3 sem. hrs.**

Intensive reading of at least three plays of Plautus and Terence and a recognition of the importance of these plays as examples of Roman dramatic art. Peculiarities of meter, style, and syntax. Special readings on the history of the theater, the development of the Roman drama, and the influence of Plautus and Terence on later drama. Prerequisite: Latin 202.

**215 LATIN PROSE COMPOSITION 2 sem. hrs. (Formerly 117)**

Systematic review of Latin inflections and syntax with written and oral exercises in the use of Latin constructions. Some practice in writing connected discourse based on Latin authors. Prerequisite: Latin 202.

**222 MARTIAL'S EPIGRAMS 2 sem. hrs.**

Reading of Latin poetry and a study of social life under the emperors. Prerequisite: Two literature courses beyond Latin 202.

**225 LATIN-ENGLISH ETYMOLOGY 2 sem. hrs.**

Relation of the various Indo-European languages to each other, the place of Latin and English among these languages, and the history of the Latin elements in English. Some treatment of the subject of semantics, especially as it applies to Latin words in English. Recommended for all who have a major or minor in Latin.

**226 ROMAN CIVILIZATION 2 sem. hrs.**

Background for the Latin teacher. An introduction to Roman topography is included. Recommended for all who have a major or minor field in Latin.

**231 OVID, METAMORPHOSES 3 sem. hrs.**

Translation, scansion, and reading of the passages most helpful to the teacher of Latin. Prerequisite: Latin 202.

**232 SELECTIONS FROM CAESAR'S GALLIC WARS 3 sem. hrs.**

Selections of historical importance from Caesar. Emphasis on problems connected with the reading and translation of Latin; a thorough review of Latin forms and syntax. Prerequisite: Latin 202.

**234 LIVY 3 sem. hrs. (Formerly 118)**

Selections from Livy's *History of Rome*. Study of some of the most important phases of the history of the Roman people. Livy as an historian and writer. Prerequisite: Latin 211.

**315 HORACE: ODES AND EPODES 3 sem. hrs.**

Translation, interpretation, and metrical reading of Horace's lyric poetry. Critical study of the characteristic features of his style. Life in the Augustan Age and Horace's philosophy of life.

**316 ROMAN SATIRE 3 sem. hrs.**

The history and development of satire as a literary genre; reading of representative selections from Ennius, Lucilius, Horace, Persius and Juvenal; a consideration of their influence upon later literature.

**318 TACITUS 2 sem. hrs.**

*Agricola* and *Germania*. An introduction to the prose of the Silver Period.

**319 SELECTIONS FROM THE LETTERS OF CICERO 2 sem. hrs.**

Translation of some of the most interesting and important letters of Cicero as a commentary on the manners, history, and politics of the period of the Republic.

**320 SELECTIONS FROM THE LETTERS OF PLINY 2 sem. hrs.**

Readings from the correspondence of Pliny selected for their importance as a commentary on Roman life and manners during the period of the Empire. Study of the letters both as human documents and as literary compositions.

**385 SELECTED STUDIES IN LATIN LITERATURE 3 sem. hrs.**

Intensive study of a genre, group of authors or a single major writer in Latin Literature. The field of study will vary each semester according to the interests and needs of students and the availability of instructors. Provided different material is covered, the course may be taken for credit more than once.

**PORTUGUESE****111 and 112 FIRST YEAR PORTUGUESE Each 4 sem. hrs.**

Pronunciation; essentials of grammar; exercises in hearing, speaking, and writing simple Portuguese; reading of graded material.

**RUSSIAN****111 and 112 FIRST YEAR RUSSIAN Each 4 sem. hrs.**

Pronunciation and essentials of grammar. Emphasis placed on speaking and listening, with some reading and writing. Extensive laboratory work is an integral part of this course.

**113 and 114 INTERMEDIATE RUSSIAN READINGS Each 2 sem. hrs.**

Reading of Russian literary and cultural material of graded difficulty. Prerequisite: Russian 112.

**115 and 116 SECOND YEAR RUSSIAN Each 4 sem. hrs.**

A continuation of Russian 112, with more advanced reading, writing, and speaking. Prerequisite: Russian 112 or two years of high school Russian.

**211 and 212 RUSSIAN SHORT STORY Each 4 sem. hrs.**

Reading of short stories. Prerequisite: Russian 116.

**215 RUSSIAN DRAMA 4 sem. hrs.**

Class and collateral reading of representative Russian plays. Prerequisite: Russian 116.

**217 RUSSIAN CIVILIZATION 3 sem. hrs.**

Reading of essays concerning Russian history, culture, and contemporary Soviet life. Prerequisite: Russian 116.

**221 and 222 READINGS IN RUSSIAN LITERATURE Each 3 sem. hrs.**

Class and collateral readings of the most important Russian authors. Prerequisite: Russian 116.

**223 RUSSIAN WRITERS OF THE TWENTIETH CENTURY 4 sem. hrs.**

Reading of representative works. Prerequisite: Russian 116.

**231 RUSSIAN CONVERSATION AND COMPOSITION 2 sem. hrs.**

Written and oral composition; conversation designed to build vocabulary and improve pronunciation. Prerequisite: Russian 116.

**290 ADVANCED RUSSIAN SYNTAX 3 sem. hrs.**

Advanced treatment of Russian grammar; free and directed composition in Russian. Prerequisite: At least one 200-level course, junior or senior standing, and consent of instructor.

## SPANISH

### 111 and 112 FIRST-YEAR SPANISH Each 4 sem. hrs.

Pronunciation, essentials of grammar, exercises in hearing, speaking, and writing simple Spanish, reading of graded material. Not open to students who have had Spanish 114 except by permission of the Head of the Department.

### 114 SPANISH CONVERSATION 2 sem. hrs.

Conversational practice in Spanish, with exercises to improve pronunciation and intonation. Prerequisite: Spanish 112 or two years of high school Spanish.

### 115 SECOND-YEAR SPANISH 4 sem. hrs.

Class reading of modern Spanish prose. Prerequisite: Spanish 112 or two years of high school Spanish.

### 116 SECOND-YEAR SPANISH 4 sem. hrs.

Review of grammar. Oral and written composition. Prerequisite: Spanish 115 or three years of high school Spanish.

### 203 SPANISH FOR THE ELEMENTARY SCHOOL 3 sem. hrs.

Practical exercises in the preparation and the use of classroom materials, such as drills, games, songs, etc. Discussion of objectives, methods, and techniques. Demonstration and use of audio-visual aids. Observation of classes. Required of a Resource Person in Spanish in Elementary Education. Prerequisite: Spanish 116 and a pronunciation test. Does not count toward major or minor.

### 211 MODERN SPANISH NOVEL 3 sem. hrs.

Class and collateral reading from the works of representative Spanish and Spanish-American novelists of the nineteenth and twentieth centuries. Prerequisite: Spanish 116.

### 216 MODERN SPANISH DRAMA 3 sem. hrs.

Representative works of outstanding Spanish and Spanish-American dramatists of the nineteenth and twentieth centuries. Prerequisite: Spanish 116.

### 217 CIVILIZACION ESPANOLA 1 sem. hr.

Life, customs, and institutions of the Spanish people as background material for the teacher of Spanish. Prerequisite: Spanish 116.

### 218 CIVILIZACION HISPANO AMERICANA 1 sem. hr.

Present-day cultural background of Spanish speaking countries in the Americas. Prerequisite: Spanish 116.

### 221 and 222 SURVEY OF SPANISH LITERATURE Each 3 sem. hrs.

Spanish literature from the beginning through the Golden Age; eighteenth century to the present. Prerequisite: Spanish 116.

### 231 ADVANCED SPANISH COMPOSITION AND CONVERSATION 2 sem. hrs.

Composition and conversation based on modern Spanish prose with special attention to idioms and the finer points of grammar. Prerequisite: Spanish 116.

### 242 SURVEY OF SPANISH-AMERICAN LITERATURE 3 sem. hrs. (Formerly 222)

Introduction to the works of Spanish-American authors with emphasis on the nineteenth and twentieth centuries. Prerequisite: Spanish 116.

### 304 LA CIVILIZACION MEXICANA (SPANISH) 2 sem. hrs.

A study of the formation of the Mexican nationality of today, as the fusion of Hispanic and Indian cultures. A consideration of the development of attitudes, traditions, and way of life of the Mexican people.



**309 SPANISH PHONETICS 2 sem. hrs.**

An analysis of the speech sounds of Spanish; a consideration of the difficulties an English speaker encounters in learning and using correct Spanish pronunciation, stress, and intonation; exercises aimed at improvement of pronunciation and intonation.

**310 SINTAXIS ESPANOLA 2 sem. hrs.**

A descriptive study of modern Spanish with frequent reference to psychological and historical forces that have influenced its present form.

**320 PROBLEMS IN THE TEACHING OF SPANISH 2 sem. hrs.**

Re-evaluation of traditional methods of teaching Spanish. Examination and evaluation of modern techniques. Problems related to the teaching of Spanish in general. Problems related to specific methods and techniques.

**331 SPANISH AMERICAN LITERATURE 3 sem. hrs.**

History of Spanish American literature from colonial period to the late nineteenth century. A consideration of the development of literary forms and traditions. Prerequisite: Spanish 221 and 222 or equivalent.

**332 SPANISH AMERICAN LITERATURE 3 sem. hrs.**

History of Spanish American literature from late nineteenth century to the present day; a continuation of Spanish 331. Prerequisite: Spanish 221 and 222 or equivalent.

**335 MEXICAN LITERATURE (SPANISH) 2 sem. hrs.**

An intensive survey of Mexican literature and its cultural background from the period of the conquistadors to the present.

**372 SPANISH DRAMA OF THE SIGLO DE ORO 3 sem. hrs. (Formerly 232)**

Class and collateral reading of selected plays from the great dramatists of Spain's Golden Age. Prerequisite: Two courses in Spanish literature.

**385 SELECTED STUDIES IN SPANISH LITERATURE 3 sem. hrs.**

Intensive study of a genre, group of authors or a single major writer in Spanish Literature. The field of study will vary each semester according to the interests and needs of students and the availability of instructors. Provided different material is covered, the course may be taken for credit more than once.

## *Geography—Geology*

*Head of the Department:* John E. Trotter. Office: Schroeder Hall 125.

### **MAJOR IN GEOGRAPHY**

Courses in Geography must total 32 semester hours. The following specific courses are required: 110, 115, 130, 175, 180, 215, 300, 315. Students must take a minimum of eight hours in regional geography courses.

### **MINOR IN GEOGRAPHY**

Courses in Geography must total 22 semester hours. The following specific courses are required: 110, 115, 130, 175, 215.

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Geography 365 may not be counted toward a major or minor in Geography for an arts and sciences degree.

**COURSES IN GEOGRAPHY-GEOLOGY****100 INTRODUCTION TO EARTH SCIENCE 3 sem. hrs.**

A survey of the features of the physical environment. Designed to develop an understanding of the earth as the home of man. Lecture and laboratory.

**105 EARTH AND SPACE 2 sem. hrs.**

Galaxies, stars and their evolution, and the planets of our solar system; emphasis on theories dealing with origins of the universe and solar system.

**110 WEATHER 2 sem. hrs.**

Weather elements, processes, and types. Significance of these in weather observation, analysis, charting, and forecasting basic to understanding of weather and climate. Field trip to U.S. Weather Bureau Station when practicable.

**115 CLIMATE 2 sem. hrs.**

Climatic elements and controls. Classification of climates, climatic types, and world climatic regions. Prerequisite: Weather 110.

**120 GEOGRAPHY OF SOILS 3 sem. hrs.**

Non-technical study of the major soil groups; pedogenesis, characteristics, and classification. Distribution and importance in major world regions and in underdeveloped areas; emphasizes soils in the United States. Field excursions.

**130 ECONOMIC GEOGRAPHY 3 sem. hrs.**

Economic activities of man in their regional associations. Production and distribution of leading commodities. Chief routes of trade and transportation as related to areas of production and markets.

**135 WORLD REGIONAL GEOGRAPHY 3 sem. hrs.**

A regional study of the peoples of the world based upon the various culture patterns as related to earth environment. Not recommended for students with a first or second field in Geography.

**140 CONSERVATION CLINIC 1 sem. hr.**

An intensive week of field and classroom work in conservation.

**175 PHYSICAL GEOLOGY 4 sem. hrs.**

Nature, properties, and structure of the earth's crust and development of the landscape. Three hours of lecture; two hours of laboratory. A one-day field trip required.

**180 HISTORICAL GEOLOGY 4 sem. hrs.**

Origin and structure of the earth. History of the earth as revealed by the rock strata and the evolution of plant and animal life as shown by fossils. Practical experience with topographic maps and geologic folios. Three hours of lecture; two hours of laboratory. A one-day field trip is required. Prerequisite: Geography 175.

**185 COMMON ROCKS AND MINERALS 2 sem. hrs.**

Genesis, description, classification, and identification of common rocks and minerals, lecture and laboratory.

**200 ELEMENTS OF POLITICAL GEOGRAPHY 3 sem. hrs.**

An introduction to the physical, cultural, and economic elements of political geography. A review of selected contemporary world problems with emphasis on geographic backgrounds. A consideration of the contribution of geography to a study of current affairs.

**205 CONSERVATION OF NATURAL RESOURCES 3 sem. hrs.**

Conservation of soil, water, forest, wildlife, mineral, and recreational resources in the United States. Resource characteristics, problems, and conservation practices are considered. Field trips when feasible.

**210 HISTORICAL GEOGRAPHY OF THE UNITED STATES 2 sem. hrs.**

A survey of the geography of earlier times. Emphasis on exploration and initial settlement in distinctive regions of the United States.

**215 GEOGRAPHY OF THE UNITED STATES 3 sem. hrs.**

Survey of the major regions of the United States in terms of contemporary physical, cultural, and natural resource patterns. Emphasis upon land use associations in both rural and urban areas.

**220 GEOGRAPHY OF ILLINOIS 2 sem. hrs.**

A regional survey of the physical environment and patterns of human occupancy including agriculture, industry, transportation, and utilization of mineral resources.

**225 GEOGRAPHY OF CANADA AND ALASKA 2 sem. hrs.**

Survey of natural regions; resources, economic activities, settlement patterns, inter-regional and international relations.

**230 GEOGRAPHY OF SOUTH AMERICA 3 sem. hrs.**

A regional analysis of the major political units with emphasis on physical, cultural, and economic characteristics.

**240 GEOGRAPHY OF EUROPE 3 sem. hrs.**

Europe based upon regions. Present importance and possible future of each in the light of geographic conditions. Attention to the present nations of Europe, their relationships to each other and to the United States.

**245 GEOGRAPHY OF THE SOVIET UNION 2 sem. hrs.**

Emphasis on physical resource patterns and their significance to the industrial and agricultural land use and to the general economic and political development.

**250 GEOGRAPHY OF AFRICA 2 sem. hrs.**

Regional study of Africa. Emphasis upon the patterns of society as related to the natural environment. The role of Africa in world affairs.

**255 GEOGRAPHY OF ASIA 3 sem. hrs.**

A survey of the countries, regions, and peoples of Asia. Detailed study of selected regions, specific localities, and special problems.

**260 GEOGRAPHY OF AUSTRALIA AND OCEANIA 3 sem. hrs.**

A physical and cultural geography of the Pacific Island Groups and Australia. Interpretation of the economic activities in relation to natural environment and cultural background of the people. A student may not take this course for credit if he has earned credit in Geography 260, Geography of Australia and New Zealand, or Geography 265, Geography of the Pacific Islands.

**270 FIELD SURVEY OF ILLINOIS 3 sem. hrs.**

A reconnaissance survey of the distinctive regions of Illinois, including the Chicago industrial area, the major agricultural regions, mining districts, various state parks, and other areas of special interest. Opportunity for intensive study of local units of occupancy.

**275 LIFE OF THE GEOLOGIC PAST 2 sem. hrs.**

Development of plants and animals from the most primitive early forms to modern types. Discussion includes the origin, classification, and evolution of life.

**300 CARTOGRAPHY AND GRAPHICS 3 sem. hrs.**

Graphic representation of statistical data, including compilation and preparation of various types of maps and graphs. Map projections, scales, symbolisms, dot maps, and their use.

**305 AERIAL PHOTOGRAPH INTERPRETATION 3 sem. hrs.**

An introduction to the basic principles of photogrammetry and the techniques and



applications of aerial photograph interpretation, emphasizing the functional relationships of features located upon the earth's surface.

**306 REGIONAL AND AREA STUDIES 1-9 sem. hrs.**

An intensive study of particular lands, environments, cultures, and peoples. May be given in cooperation with other departments, on or off the campus. The areas to be studied, participating departments, and credit hours available in the several departments, will be announced each time the course is offered.

**308 QUANTITATIVE METHODS IN GEOGRAPHY 3 sem. hrs.**

Use and interpretation of basic statistical techniques in geographical problems. Measures of central tendency and dispersion, frequency distribution, sampling, sample analysis, and correlation are applied to the spatial aspects of phenomena.

**310 TECHNIQUES OF FIELD WORK 3 sem. hrs.**

Techniques of mapping and interpretation of the phenomena of the natural and cultural landscapes. Most of the time in the field doing original study and mapping.

**315 METHODS AND CONCEPTS IN AMERICAN GEOGRAPHY 2 sem. hrs.**

A survey of selected professional publications designed to acquaint the student with the development of basic concepts and methods in American Geography. Enables the student to evaluate geographic viewpoints and approaches in research and teaching.

**320 RURAL LAND USE AND AGRICULTURAL GEOGRAPHY 3 sem. hrs.**

Principles of agricultural geography and related land use: Types of agriculture and production units, agricultural regions, and distributional patterns of chief crops and livestock. Includes study of factors and decisions influencing the location of agricultural activities. Prerequisite: Geography 130.

**325 WORLD POPULATION AND RESOURCES 3 sem. hrs.**

Population growth and resource distribution and their impact on national policy, levels of living, education, food supply, and mineral resources.

**330 GEOGRAPHY OF TRANSPORTATION 3 sem. hrs.**

Spatial aspects of transportation systems: land, air, and water; the agents of transportation, and the effects of transportation on regional and economic development. Transportation realms and regions of the world. Prerequisite: Geography 130.

**335 INDUSTRIAL GEOGRAPHY 3 sem. hrs.**

Distribution and locational factors influencing distribution of American industries. Relationship of American industries to world industrial patterns.

**340 CLIMATES OF THE CONTINENTS 2 sem. hrs.**

Climates of the various continents and associated controls. Analysis of classifications of climate and problems of climatic classification.

**345 PROBLEMS IN CONSERVATION 3 sem. hrs.**

Investigation of specific problems in conservation of soils, water, forests, wildlife, minerals, and recreational land. These problems are explored in their complex national, regional, and local contexts.

**365 GEOGRAPHIC MATERIALS IN EDUCATION 3 sem. hrs.**

The role of maps, globes, and other aids in teaching geography. Practical experience in selection and organization of geographic materials under laboratory situations. A student may not take this course for credit if he has earned credit in Geography 125 or Geography 360.

**375 ECONOMIC GEOLOGY 3 sem. hrs.**

Earth materials of economic importance. Characteristics and uses of common metallic and nonmetallic minerals and rocks. Prerequisite: Geography 175.

**380 GEOMORPHOLOGY 3 sem. hrs.**

Detailed study of the origin, classification, description, and interpretation of land forms. Prerequisite: Geography 175.

**385 INVERTEBRATE PALEONTOLOGY 4 sem. hrs.**

Concepts of evolution, taxonomy, and paleontological species; invertebrate phyla, with emphasis on groups with paleoecologic and stratigraphic significance. Three hours of lecture, three hours of laboratory. Prerequisite: Geography 180, or Geography 275, and Biological Sciences 191.

## *History*

*Head of the Department:* Roger J. Champagne. Office: Schroeder Hall 340B.

### **MAJOR IN HISTORY**

Courses in History must total 30 semester hours. At least 9 semester hours in U.S. History and 9 semester hours in World History are required. The following specific courses are required: 124, 123 or 125, 135, and 136. In addition, 6 semester hours each in Economics, Political Science, and Sociology-Anthropology are required.

### **MINOR IN HISTORY**

Courses in History must total 24 semester hours. At least 9 semester hours in U.S. History and 9 semester hours in World History are required. The following specific courses are required: 124, 123 or 125, 135, and 136.

The major and minor are the same for a teaching degree as for a degree in arts and sciences.

### **HONORS IN HISTORY**

The department offers honors work in history to highly qualified juniors and seniors who will pursue an individualized program of study largely under their own guidance. The honors program enables the superior student to reinforce guided private study on historical topics of his own choosing with seminar-style research and reporting among the honors group.

Students interested in participating in the department's honors program may secure further information by writing to the Head of the Department of History.

### **COURSES IN HISTORY**

**123 HISTORY OF CIVILIZATION AND CULTURE 3 sem. hrs.**

Primitive man; the ancient cultures; the civilizations of Greece and Rome; the Middle Ages. Constant attention to the evolution of institutions, arts, and processes.

**124 HISTORY OF CIVILIZATION AND CULTURE 3 sem. hrs.**

Continuation of History 123. Emphasizes the transition to the modern world, and attempts to estimate the nature and development of modern civilization. Students who have had History 128 may not take this course for credit.

**125 HISTORY OF NON-WESTERN CIVILIZATION 3 sem. hrs.**

A political, cultural, social, and economic study of non-western areas: The Far East, India, Middle East and Africa, with emphasis upon the contributions and achievements of those developments from the advent of the Mongols to the present.

**128 MODERN WORLD CIVILIZATIONS, 1200 TO PRESENT 4 sem. hrs.**

To give an understanding of the forces and events of the leading historical movements from medieval times to the present. Designed for students who do not have a major field in Social Sciences. Students who have had History 124 may not take this course for credit.

**135 HISTORY OF THE UNITED STATES 3 sem. hrs.**

Colonial and national periods to 1865. Emphasis upon the economic development of the colonies, the struggle for independence, the social and cultural development of European stock in this country, the formation of a national government, territorial expansion, sectionalism, and the issues resulting in the Civil War.

**136 HISTORY OF THE UNITED STATES 3 sem. hrs.**

Continuation of History 135 to the present time. Agrarian and industrial revolutions, development of American institutions, and America as a world power.

**220 ANCIENT HISTORY: GREECE 3 sem. hrs.**

Political and cultural evolution of the Greek World from preclassical times to the Hellenistic Age. Prerequisite: History 123.

**221 ANCIENT HISTORY: ROME 3 sem. hrs.**

The Roman republic and empire with emphasis on the constitutional evolution of Rome. Prerequisite: History 123.

**222 HISTORY OF RUSSIA I 3 sem. hrs.**

Russian history from Kiev to the accession of Alexander I, the political, social, economic and intellectual developments. Prerequisite: History 124.

**223 HISTORY OF RUSSIA II 3 sem. hrs.**

Russian history from 1801 to the present. Russia in Europe and the Far East, political, social, economic and intellectual developments, the Russian Revolution, Russia in the twentieth century. Prerequisite: History 124.

**224 RENAISSANCE, EUROPE 1300-1500 3 sem. hrs.**

The transition from medieval to early modern Europe: social, economic, and political developments; the decline of the Church; Renaissance in Italy and its spread to northern Europe, the age of discovery and exploration. Not open to students who have taken Social Sciences 225, Renaissance and Reformation. Prerequisite: History 123 or 124.

**225 REFORMATION, EUROPE 1500-1600 3 sem. hrs.**

The conflict of secular and religious forces in early modern Europe: popular piety and Christian humanism; the Protestant and Catholic Reformations; persecution, toleration and the wars of religion; thought and literature of the sixteenth century. Not open to students who have taken Social Sciences 225, Renaissance and Reformation. Prerequisite: History 123 or 124.

**226 ABSOLUTISM AND ENLIGHTENMENT, EUROPE 1600-1789 3 sem. hrs.**

Political and intellectual history of Europe in the seventeenth and eighteenth centuries; emphasis upon absolutism in France, constitutional conflict in England, colonial expansion, philosophy, science, and religion. Prerequisite: History 123 or 124.

**227 FRENCH REVOLUTION, 1789-1815 3 sem. hrs.**

Society, culture, and government under the monarchy; destruction of the old order—hierarchical, hereditary, monarchical, and absolutist; rise and fall of Napoleonic France; struggle for world power between France and Great Britain. Prerequisite: History 124.



**228 ENGLISH HISTORY I 3 sem. hrs.**

Survey of English history from the medieval period to 1688, with emphasis upon the Tudor and Stuart periods. Prerequisite: History 123 or 124.

**229 ENGLISH HISTORY II 3 sem. hrs.**

Survey of English history from 1688 to the present, with emphasis upon political, constitutional, and imperial developments. Prerequisite: History 124.

**230 AMERICAN URBAN HISTORY 3 sem. hrs.**

Survey of the history of the American city from 1820 to the present. Prerequisite: History 135 or 136.

**231 COLONIAL LIFE AND INSTITUTIONS 3 sem. hrs.**

Transfer of European ideas, institutions, and customs to America, and their subsequent development on American soil. Prerequisite: History 135.

**232 HISTORY OF THE AMERICAN FRONTIER 3 sem. hrs.**

Westward movement and the influence of the frontier on American life and institutions. Prerequisite: History 135.

**233 EXPANSION AND UNION 3 sem. hrs.**

Life, leaders, and institutions in the middle period of American history. Emphasis upon sectionalism, nationalism, compromise and reaction, party evolution, economic development, and social antagonisms which culminated in the settlements arising out of the Civil War. Prerequisite: History 135.

**234 BUILDING THE NATION 3 sem. hrs.**

Emergence of the independent United States. Emphasis upon the work of the Constitutional Convention and the establishment of a national government, shaped politically, economically, and socially by the principles and influence of early federalism and of Jeffersonian democracy. Prerequisite: History 135.

**235 HISTORY OF THE SOUTH 3 sem. hrs.**

Characteristics and institutions which identify the South as a section, the collapse of the Confederacy and the building of the new South. Prerequisite: History 135.

**236 AMERICAN BUSINESS HISTORY 3 sem. hrs.**

Industrialization of America; the problems of agriculture, monopoly, and labor; the role of government in regulating and guiding economic activity. Prerequisite: History 135 or 136.

**237 HISTORY OF ILLINOIS 3 sem. hrs.**

A survey of the history of Illinois with emphasis upon the changes that have come with the growth of industrialization and urbanization.

**238 OLD NORTHWEST, 1840-1880 3 sem. hrs.**

States of the Northwest Territory and their neighbors from the Jacksonian Period to the Gilded Age. The people of the region, their attitudes toward national affairs, and their significant contributions to the building of the nation. Attention directed toward problems of modern America. Prerequisite: History 135.

**239 UNITED STATES AS A WORLD POWER 3 sem. hrs.**

Emergence of the United States as a great power in world affairs. Problems of isolation, neutrality, relations with the League of Nations, and the peace treaties following World Wars I and II. Emphasis upon world affairs with attention directed toward the participation and leadership of the United States after World War II. Prerequisite: History 136.

**243 HISTORY OF THE FAR EAST 3 sem. hrs.**

Peoples and problems of the Orient with reference to their internal development and the part they play in world politics. Prerequisite: History 123 or 124 or 128.

**245 HISTORY OF LATIN AMERICA I 3 sem. hrs.**

A survey of Latin American History from the discovery to the disruption of the Spanish American empire. The political, social, economic, and intellectual developments. Prerequisite: History 123 or 124 or 125.

**246 HISTORY OF LATIN AMERICA II 3 sem. hrs.**

A survey of Latin America from the disruption of the Spanish American empire in 1808-1810 to the present. Each country will be covered separately but common characteristics will receive attention. Prerequisites: One of the following—History 123, 124, 125, 135 or 136.

**291 REPRESENTATIVE HISTORICAL PERSONAGES 3 sem. hrs.  
(Formerly 295)**

Personalities selected from the wide scope of history. Emphasis on period placement, character building, and lasting influence of the historical characters. For the elementary curriculum—primarily for the middle grades. Prerequisite: History 135 or 136 and one of History 123, 124, or 128.

**292 AMERICAN LIFE AND INSTITUTIONS 3 sem. hrs.**

History of the United States from 1865 to the present time. Unit organization, based on life, cultures and special problems of modern America. An evaluation of elementary texts and illustrative materials. For elementary teachers.

**295 HONORS SEMINAR IN HISTORY 3 sem. hrs.**

An undergraduate seminar for honors students in history. Content will vary at the discretion of the instructor. Provided different material is covered the course may be taken more than once. Prerequisite: Honors standing or consent of instructor.

**296 HISTORIOGRAPHY AND HISTORICAL METHOD 3 sem. hrs.**

A course for honors students, which explores the character and discipline of history through study of the works of representative historians from ancient times to the present. Prerequisite: Honors standing or consent of instructor.

**298 HONORS THESIS 3 sem. hrs.**

Intended for honors students in history. The thesis shall be directed by a faculty member competent in the field of the thesis. Before registration for the course the topic shall be approved by the History Department Honors Board. Prerequisite: Honors standing or consent of instructor.

**299 INDEPENDENT HONOR STUDY 1-6 sem. hrs.**

Intensive work in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report and/or examination. Open only to resident students who have achieved superior academic records and who have demonstrated ability to profit from independent study. A maximum of six hours of credit in independent study may be applied toward graduation. Prerequisite: Permission of the instructor, the Head of the Department, and the Dean of the Faculties.

**301 SELECTED STUDIES IN EUROPEAN HISTORY 3 sem. hrs.  
(Formerly 324)**

The field of study will vary every semester according to the interests and needs of students and the availability of instructors. Provided different material is covered, the course may be taken for credit more than once.

**302 SELECTED STUDIES IN AMERICAN HISTORY 3 sem. hrs.  
(Formerly 338)**

The field of study will vary each semester according to the interests and needs of the students and the availability of instructors. Provided different material is covered, the course may be taken more than once.

**303 SELECTED STUDIES IN THE HISTORY OF ASIA 3 sem. hrs.**  
(Formerly 346)

The field of study will vary each semester according to the interests and needs of the students and the availability of instructors. Provided different material is covered, the course may be taken for credit more than once.

**304 SELECTED STUDIES IN LATIN AMERICAN HISTORY 3 sem. hrs.**

The field of study will vary every semester according to the interests and needs of students and the availability of instructors. Provided different material is covered, the course may be taken for credit more than once. Prerequisite: History 245 and 246.

**310 SEVENTEENTH CENTURY AMERICA 3 sem. hrs.**

Establishment and development of the American Colonies, from Jamestown to the end of the 17th Century. Special emphasis is given to Puritan New England. Prerequisite: History 231.

**311 AGE OF THE AMERICAN REVOLUTION 3 sem. hrs.**

The emergence of the United States as an independent nation, from 1763 to the Constitutional Convention of 1787. Prerequisite: History 234.

**313 THE AGE OF JACKSON 3 sem. hrs.**

A survey of the awakening of American Nationalism as typified by the economic, political, and social and cultural changes of the Jacksonian Period. Prerequisite: History 233.

**317 THE UNITED STATES AND THE TWENTIETH CENTURY I 3 sem. hrs.**

The history of the United States from the turn of the century to 1932. Subjects to be examined are Populism, Imperialism, Progressivism, World War I, Era of Normalcy, and the Great Depression.

**318 THE UNITED STATES AND THE TWENTIETH CENTURY II 3 sem. hrs.**

The history of the United States from 1933 to the present. Subjects to be examined are New Deal, Isolationism, World War II, Cold War, Fair Deal, and problems confronting our contemporary society.

**320 LINCOLN: THE MAN AND HIS TIMES 3 sem. hrs. (Formerly 331)**

Emphasis on the use of biography and collections of Lincoln materials, both private and public. Attention directed especially toward the work of Lincoln in Illinois, his leadership during the Civil War, and his relationships with men and events of his time.

**321 HISTORY OF AMERICAN DIPLOMACY TO 1898 3 sem. hrs.**

The history of the diplomatic activities of the American government from the Revolution to 1898.

**322 HISTORY OF AMERICAN DIPLOMACY SINCE 1898 3 sem. hrs.**

The history of the diplomatic activities of the American Government since 1898 to the present.

**330 THE ANTE-BELLUM SOUTH 3 sem. hrs.**

Characteristics and institutions of the South from colonial times to the Civil War. Emphasis on physical, social, economic, and ideological factors.

**331 HISTORY OF THE MISSISSIPPI VALLEY 3 sem. hrs. (Formerly 333)**

Study in regionalism. Emphasis on the frontier, population movements, natural resources, and unique economic, political, and social development.

**340 EUROPEAN ECONOMIC HISTORY 3 sem. hrs.**

Evaluation of Capitalism, corporation, business cycles, trade, imperialism, industry, labor movements, land tenures and other economic aspects of Western Civilization viewed sequentially from ancient times to the present; comparative analysis of the dynamic process of growth as related to specific sectors in various countries. Prerequisite: Economics 101.



**344 EUROPE IN THE NINETEENTH CENTURY: 1815-1914 3 sem. hrs.**  
**(Formerly 328)**

Liberalism, nationalism, democracy, militarism, imperialism, and the forces that led to World War I.

**347 CONTEMPORARY WORLD HISTORY 3 sem. hrs. (Formerly 329)**

An investigation of the forces of change in the contemporary world. The causes and nature of W.W. I, W.W. II, and the Cold War; Communism, Fascism, impact of industrialization, science, and liberalism; emergence of new nations in Asia and Africa.

**352 THE HELLENISTIC WORLD 3 sem. hrs.**

A comprehensive study of the world bequeathed by Alexander the Great from his death in 323 B.C. to the founding of the Roman Empire in 30 B.C.

**354 ECONOMIC AND SOCIAL HISTORY OF THE MIDDLE AGES 3 sem. hrs.**  
**(Formerly 323)**

Medieval agriculture, trade, industry and towns.

**355 INTELLECTUAL AND CULTURAL HISTORY OF MIDDLE AGES**  
**3 sem. hrs.**

A study of the intellectual, spiritual and cultural developments of medieval civilization from late Roman times until the Renaissance. Special attention is focused on the medieval Latin Christian world, primarily, and on the Islamic and Byzantine worlds, secondarily.

**360 TUDOR-STUART ENGLAND, 1485-1689 3 sem. hrs.**

General survey of English history from the beginning of the Tudor dynasty to the Revolution of 1688-89; emphasis is placed on constitutional development, the Church, and overseas expansion.

**362 MODERN BRITAIN, 1815 TO THE PRESENT 3 sem. hrs.**

A general survey of British history in the nineteenth and twentieth centuries.

**364 MODERN GERMANY, 1848 TO THE PRESENT 3 sem. hrs.**

An analysis of the importance of social, political, and economic factors during the Empire, the Weimar Republic and the National Socialist Era; and a survey of the background of German unification, and of the period following 1945 in East and West Germany.

**366 SOVIET RUSSIA, 1917 TO THE PRESENT 3 sem. hrs.**

An evaluation of the origins and rise of Bolshevik power, concentrating on those aspects of economic, cultural, and social developments that transformed the USSR into a great power.

**380 HISTORY OF THE MIDDLE EAST I 3 sem. hrs. (Formerly 321)**

A political, cultural, social and economic survey of the Middle East from Muhammed to the Ottoman Empire, with emphasis on the origins, development and achievements of the Islamic Age. Prerequisite: History 123 and either 124 or 125.

**381 HISTORY OF THE MIDDLE EAST II 3 sem. hrs. (Formerly 322)**

A political, cultural, social and economic survey of the Middle East from the Ottoman Empire to the present, with emphasis on the decay of Islamic civilization and the rise of nationalism in the Modern Middle East. Prerequisite: History 123 and either 124 or 125.

## *Library Science*

*Director of Libraries:* Joe W. Kraus. *Office:* Milner Library 309.

The School Library Service program is planned for (1) students who wish to prepare for positions as school librarians in Illinois elementary schools, secondary schools, or in community unit districts, (2) teachers who wish to be fully acquainted with books and materials for children and young people, and (3) school administrators who wish to explore the place of books and libraries in the school's instructional program.

Students who wish to qualify as elementary school librarians should take 115, 170, 202, 210, 212, and 272, and have student teaching in an acceptable school library. Library Science 120, 240, 242, and 271 are highly recommended.

Students preparing for the field of community unit-district librarian should take 115, 120, 170, 202, 203 or 204, 210, 212, and have student teaching in an acceptable school library. Library Science 240 is strongly recommended.

Students who are preparing for a junior high school library position should take 115, 120, 170, 202, 204, 210, 212, 272, and have student teaching in an acceptable school library. Library Science 240 is strongly recommended.

### TEACHING FIELDS

#### MAJOR IN LIBRARY SCIENCE

Courses in Library Science must total 33 semester hours. The following specific courses in Library Science are required: 115, 120, 170, 201, 203, 204, 210, 212, 215, 240, 365. Education 399, Student Teaching, must be done in an acceptable school library.

#### MINOR IN LIBRARY SCIENCE

Courses in Library Science must total 19 semester hours. The following specific courses in Library Science are required: 115, 210, 212, 240, and any two of the following: 202, 203, and 204. Education 399, Student Teaching, must be done in an acceptable school library. Sociology 261 is strongly recommended.

#### COURSES IN LIBRARY SCIENCE

Courses in Library Science may be used as electives in education.

##### **115 INSTRUCTIONAL MATERIALS (IM) REFERENCE FUNCTIONS I** **3 sem. hrs. (Formerly 112)**

Basic reference sources for the small library with collections of printed and non-printed material. Criteria for evaluating them and experience in using them.

##### **120 HUMAN RECORDS AND LIBRARIES 3 sem. hrs. (Formerly 254)**

Human communication from the earliest picture records through the development of the alphabet, the invention of printing and the advent of modern mass media; libraries and their growth in relation to these developments and to society.

**170 LITERATURE FOR THE ELEMENTARY SCHOOL 3 sem. hrs.**

Prose and verse for kindergarten and the eight grades. Selections from folk and modern literature, both fanciful and realistic, with emphasis upon well-known materials. This course is also offered as English 170.

**201 IM REFERENCE FUNCTIONS II 3 sem. hrs.**

Subject reference sources. Based on a knowledge of basic reference sources. Evaluation and use of references for all subject areas and basic and current aids for selecting reference works. Prerequisite: Library 115.

**202 LIBRARY MATERIALS FOR CHILDREN 3 sem. hrs. (Formerly 216)**

The evaluation and selection of book and non-book materials for the elementary school library; their use in the classroom to improve instruction in the various subject areas and to meet individual needs.

**203 LIBRARY MATERIALS FOR YOUTH I 3 sem. hrs. (Formerly 213)**

Selection, evaluation, and use of library materials for the secondary school curriculum, with special emphasis on applications in the areas of social studies, fine arts, foreign languages, and English. Students may take Library 203 and 204 independently of each other. Special problems will be assigned to avoid repetition of general topics.

**204 LIBRARY MATERIALS FOR YOUTH II 3 sem. hrs. (Formerly 214)**

The theory of selection, evaluation, and use of library materials for the secondary school curriculum, with special emphasis on applications in the areas of science and technology, health and physical education, and practical arts. Students may take Library 203 and 204 independently of each other. Special problems will be assigned to avoid repetition of general topics.

**210 ORGANIZATION OF LIBRARY MATERIALS 4 sem. hrs. (Formerly 252)**

Principles of cataloging and classification, with emphasis on the organization of book and non-book materials for school libraries. Lecture and laboratory.

**212 ADMINISTRATION OF THE LIBRARY MATERIALS CENTER 3 sem. hrs. (Formerly 253)**

Planning, organizing, administering, staffing, housing, and publicizing the library materials center for an effective program of service. Standards for library programs and their impact on library development.

**215 TRENDS IN LIBRARIANSHIP 2 sem. hrs.**

A survey of basic concepts of librarianship. Significant developments in libraries and librarianship as these relate to school and community patterns and programs. Opportunities to observe libraries in action.

**240 UTILIZATION OF AUDIOVISUAL MATERIALS 3 sem. hrs.**

Theory, materials, and methodology of audiovisual instruction. General practices in the areas of selection and utilization of the major types of audiovisual materials, ways of using projected and non-projected visual materials and audio materials. Laboratory work includes experiences in equipment operation, previewing a variety of audiovisual materials and some techniques for creating teacher-made audiovisual materials. Prerequisite: Psychology 115 or Education 102. This course is also offered as Education 240.

**242 EXPERIENCING BOOKS THROUGH SPEECH ACTIVITIES 3 sem. hrs.**

Book-inspired activities for pupils in the elementary school designed to develop appreciation of literature through creative dramatics, story telling, choral reading, discussion, reporting, and reading aloud; with emphasis on observation and participation. Prerequisite: Speech 110. This course is also offered as Speech 242.

**271 LITERATURE FOR LOWER GRADES 3 sem. hrs.**

Traditional fairy and folk tales, myths, legends, fables, and modern fanciful and realistic stories for kindergarten-primary grades. Also offered as English 271. Does not repeat materials of Library 170.



**272 LITERATURE FOR UPPER GRADES 3 sem. hrs.**

Literature especially selected for middle and upper grades. Also offered as English 272. Does not repeat materials of Library 170.

**365 PRODUCTION OF INSTRUCTIONAL MATERIALS 3 sem. hrs.**

Production of a variety of projected and non-projected visual materials for classroom use. Planning, evaluating, and organizing audiovisual presentations. Fundamental skills of preservation, compilation, adaptation, lettering, enlargement, reduction, duplication and production of audio materials will be demonstrated and laboratory practice will be provided. Prerequisite: Education 240 or Library 240. This course is also offered as Education 365. (There may be a charge for materials used in this course.)

## *Mathematics*

*Head of the Department:* Clyde T. McCormick. Office: Stevenson Hall 313C.

### **MAJOR IN MATHEMATICS**

Courses in Mathematics must total 32 semester hours. The following specific courses are required: 112; 115; 116; four courses chosen from 306, 310, 312, 313, 315, 316, 323, 335, 336, 340, 341, 347, 348, 349, 350, 351, 370, 375; and electives in mathematics courses numbered 200 or more. With the approval of the head of the Mathematics Department, students who are adequately prepared may begin their sequence of mathematics courses with Mathematics 115 or 116 or a higher level course. Admission to any of these courses normally requires a sufficiently high score on the Mathematics Placement Test.

### **COMPREHENSIVE MAJOR IN MATHEMATICS**

Courses in Mathematics must total 52 semester hours. The following specific courses are required: 112; 115; 116; six courses chosen from 306, 310, 312, 313, 315, 316, 323, 335, 336, 340, 341, 347, 348, 349, 350, 351, 370, 375; and electives in mathematics courses numbered 200 or more. As many as ten hours chosen from Physics 110, 111, 220, 240, 252 may be substituted for ten hours of electives in mathematics. With the approval of the head of the Mathematics Department, students who are adequately prepared may begin their sequence of mathematics courses with Mathematics 115 or 116 or a higher level course. Admission to any of these courses normally requires a sufficiently high score on the Mathematics Placement Test.

### **MINOR IN MATHEMATICS**

Courses in Mathematics must total 24 semester hours. The following specific courses are required: 112; 115; 116; three courses chosen from 306, 310, 312, 313, 315, 316, 323, 335, 336, 340, 341, 347, 348, 349, 350, 351, 370, 375; and electives in mathematics courses numbered 200 or more. With the approval of the head of the Mathematics Department, students who are adequately prepared may begin their sequence of mathematics courses with Mathematics 115 or 116

or a higher level course. Admission to any of these courses normally requires a sufficiently high score on the Mathematics Placement Test.

The major, comprehensive major, and minor are the same for a teaching degree as for a degree in arts and sciences. The flexibility in requirements allows each student, in consultation with his adviser, to select the courses which best meet his needs and interests whether he is planning a program directed toward teacher education, computer science, statistics, or advanced degrees. Three courses selected from 306, 310, 312, 313, 315, 316, 323, 335, 336, 340, 341, 347, 348, 349, 350, 351, 370, 375, are prerequisites for student teaching in Mathematics.

## COURSES IN MATHEMATICS

### 100 FUNDAMENTALS OF MATHEMATICS 4 sem. hrs.

Includes such topics as numeration systems, sets, variables, graphing, geometry, approximation, measurement, statistics, and mathematical systems. May not be used to satisfy the requirements for a major, comprehensive major, or minor in mathematics.

### 101 BASIC CONCEPTS OF ELEMENTARY MATHEMATICS 3 sem. hrs.

Properties of natural numbers and their application to the four basic operations on these numbers. The language of set theory and its application to elementary mathematics. Schemes for recording numbers. Properties of rational numbers and applications. May not be used to satisfy the requirements for a major, comprehensive major, or minor in mathematics. Prerequisite: Mathematics 100, or one year of high school algebra and one year of high school geometry, or a satisfactory score on the mathematics section of the American College Test.

### 107 INTERMEDIATE ALGEBRA 3 sem. hrs.

This course covers the topics usually taught in advanced algebra or third semester of high school algebra. It is the intermediate course between a one year course in high school algebra and college algebra. May not be used to satisfy the requirements for a major, comprehensive major, or minor in mathematics. Prerequisite: One year of high school algebra and one year of high school geometry.

### 108 TRIGONOMETRY 2 sem. hrs.

This course covers the topics usually taught in plane trigonometry. May not be used to satisfy the requirements for a major, comprehensive major, or minor in mathematics. Prerequisite: One and one-half years of high school algebra, or Mathematics 107, or concurrent enrollment in Mathematics 107; one year of high school geometry.

### 110 MODERN COLLEGE ALGEBRA WITH TRIGONOMETRY 4 sem. hrs.

This course covers the topics usually taught in college algebra from a modern viewpoint and integrates these topics with trigonometry. Prerequisite: One and one-half years of high school algebra or Mathematics 107; and a course in high school trigonometry or Mathematics 108.

### 112 ANALYTIC GEOMETRY 4 sem. hrs.

Plane analytic geometry with an introduction to solid analytic geometry. Prerequisite: Mathematics 110, or four years of high school mathematics including college algebra and trigonometry and a satisfactory score on a mathematics placement test.

### 115 CALCULUS I 4 sem. hrs.

Differentiation as usually given in the first semester of calculus and an introduction to integral calculus. Prerequisite: Mathematics 112, or four years of high school mathematics including college algebra, trigonometry, analytic geometry, and a satisfactory score on a mathematics placement test.

**116 CALCULUS II 4 sem. hrs.**

A continuation of Mathematics 115 with emphasis on integral calculus. Prerequisite: Mathematics 115.

**201 MATHEMATICS FOR THE ELEMENTARY SCHOOL 2 sem. hrs.**

Background for the meaningful teaching of the beginning number concepts, basic facts, and the fundamental processes and their applications in problem solving. Analysis of current innovations and proposals for the elementary curriculum. May not be used to satisfy the requirements for a major, comprehensive major or minor in mathematics. Prerequisite: Mathematics 101.

**202 MATHEMATICS FOR THE JUNIOR HIGH SCHOOL 2 sem. hrs.**

Specifically designed for those in the Junior High School Curriculum and mathematics resource people for elementary schools. Includes structure of rational numbers and integers, real numbers, geometry and measurement, solution sets for open sentences, ratio and proportion. May not be used to satisfy the requirements for a major, comprehensive major or minor in mathematics. Prerequisite: Mathematics 101.

**211 ELEMENTARY GEOMETRY FROM AN ADVANCED STANDPOINT  
4 sem. hrs.**

Logical structure and content of Euclidean Geometry from the contemporary point of view. Algebraic treatment of inconstructibility problems; Jordan measure; hyperbolic geometry; the postulational method. Prerequisite: Mathematics 112.

**212 ADVANCED ANALYTIC GEOMETRY 2 sem. hrs.**

Extension of some aspects of Mathematics 112. The various coordinate systems in space; quadric surfaces; transformations; invariance; application of matrix theory in geometry of space; and other related topics. Prerequisite: Mathematics 112.

**213 NON-EUCLIDEAN GEOMETRY 2 sem. hrs.**

Introduction to the geometries of Bolyai, Lobachevsky, and Riemann. Prerequisite: Mathematics 116 or concurrent enrollment.

**230 MATHEMATICS OF FINANCE 2 sem. hrs.**

Application of Mathematics in various fields of finance with emphasis on problems of investments and insurance. Prerequisite: Mathematics 110, or four years of high school mathematics including college algebra and trigonometry and a satisfactory score on a mathematics placement test.

**250 STATISTICS 3 sem. hrs.**

A survey of statistical concepts and methods used in a wide class of disciplines. Designed to meet the needs of students majoring in areas other than mathematics. May not be used to satisfy the requirements for a major, comprehensive major, or minor in mathematics. Prerequisite: Mathematics 110, or four years of high school mathematics including college algebra and trigonometry and a satisfactory score on a mathematics placement test.

**251 INTRODUCTION TO LINEAR ALGEBRA 4 sem. hrs.**

Vector spaces; Euclidean  $n$ -space; determinants; linear transformations and matrices; bilinear and quadratic forms; characteristic values and vector of linear transformations. Prerequisite: Mathematics 115 or concurrent enrollment.

**299 INDEPENDENT HONOR STUDY 1-6 sem. hrs.**

Intensive work in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report and/or examination. Open only to resident students who have achieved superior academic records and who have demonstrated ability to profit from independent study. A maximum of six hours of credit in independent study may be applied toward graduation. Prerequisite: Permission of the instructor, the Head of the Department and the Dean of the Faculties.



**301 MATHEMATICAL TOPICS FOR ELEMENTARY TEACHERS 3 sem. hrs.**

Significant problems, points of view, and trends in the teaching of arithmetic. Investigation of research related to organization, content, and techniques in this field. May not be used to satisfy the requirements for a major, comprehensive major, minor, or a graduate degree in mathematics. Prerequisite: Mathematics 201 or teaching experience.

**302 MATHEMATICAL TOPICS FOR JUNIOR HIGH TEACHERS 2 sem. hrs.**

Significant problems, points of view and trends in the teaching of junior high school mathematics. Discussion of the implication of logic and foundations of mathematics for the teaching of selected topics in junior high school mathematics. May not be used to satisfy the requirements for a major, comprehensive major, minor, or a graduate degree in mathematics. Prerequisite: Mathematics 201 or 202 or teaching experience.

**306 SET THEORY 3 sem. hrs.**

Elementary logic; set algebra; relations and functions; axioms for set theory; equivalence; ordinals and cardinals. Prerequisite: Mathematics 116.

**308 MATRIX THEORY 2 sem. hrs.**

Computational theory of matrices; matrix operations; inversion; solution to linear systems; eigenvalues and eigenvectors. Prerequisite: Mathematics 116.

**310 NUMBER THEORY 3 sem. hrs.**

Development of the number system; repeating decimals; congruences; diophantine equations; continued fractions; nonlinear congruences; quadratic residues. Prerequisite: Mathematics 116.

**312 INTRODUCTION TO HIGHER GEOMETRY I 3 sem. hrs.**

Postulational systems; synthetic projective geometry; conics; plane and space duality; homogeneous and non-homogeneous coordinate systems; introduction to analytic projective geometry. Prerequisite: Mathematics 116.

**313 INTRODUCTION TO HIGHER GEOMETRY II 3 sem. hrs.**

Analytic projective geometry; isomorphism of synthetic and analytic projective geometry; polar theory of conics; affine geometry; Euclidean transformations; invariants of projective, affine, and Euclidean transformations; introduction to hyperbolic and elliptic geometries. Prerequisite: Mathematics 312.

**315 INTRODUCTION TO ABSTRACT ALGEBRA I 3 sem. hrs.**

Sets and mappings; groups; homomorphisms; quotient groups; the Sylow theorems; rings and ideals; fields; Euclidean rings. Prerequisite: Mathematics 116.

**316 INTRODUCTION TO ABSTRACT ALGEBRA II 3 sem. hrs.**

Polynomials; vector spaces; extension fields; the beginnings of Galois theory; matrices; the theorems of Wedderburn or Frobenius. Prerequisite: Mathematics 315.

**320 HISTORY OF MATHEMATICS 2 sem. hrs.**

Development of mathematics in the area of number, form, directness, continuity and application. Some emphasis on recent developments in mathematics. Prerequisite: Mathematics 116.

**323 MATHEMATICS FOR THE SECONDARY SCHOOL 3 sem. hrs.**

Current issues in the teaching and learning of mathematics. Problems and points of view in the selection and placement of topics of secondary mathematics. Use of language and symbolism. Analysis of experimental programs, recent trends, and practices in the classroom. Prerequisite: Mathematics 116 or 302.

**325 FINITE MATHEMATICAL STRUCTURES 2 sem. hrs.**

Methods of proof; finite algebra; partition and counting; stochastic processes; matrix algebra; theory of games and linear programming; application to behavioral science problems. Prerequisite: Mathematics 116.

**335 ADVANCED CALCULUS 3 sem. hrs.**

Differential calculus of functions of several variables; vector differential calculus; integral calculus of functions of several variables; vector integral calculus; infinite series. Prerequisite: Mathematics 116.

**336 ADVANCED CALCULUS II 3 sem. hrs.**

Applications of differential calculus, Taylor's series of several variables, transformation of coordinates, maxima and minima. Integral calculus of functions of several variables, line integrals, surface integrals, change of variables of integrals. Vector fields, differential operations, divergence theorem, Green's and Stoke's theorem. Prerequisite: Mathematics 335.

**340 INTRODUCTION TO DIFFERENTIAL EQUATIONS I 3 sem. hrs.**

First order ordinary differential equations; linear differential equations; existence theorems and numerical methods of solution. Use of analog computers. Prerequisite: Mathematics 116.

**341 INTRODUCTION TO DIFFERENTIAL EQUATIONS II 3 sem. hrs.**

Theory of linear equations, proof of the basic existence and uniqueness theorem, dependence of solutions on initial conditions, Sturm theory, Sturm-Lionville problems, orthogonality, Fourier series, nonlinear equations. Prerequisite: Mathematics 340.

**345 VECTOR ANALYSIS 2 sem. hrs.**

The dot and cross product; vector differentiation; gradient, divergence, and curl; vector integration; the divergence theorem, Stokes' theorem, and related integral theorems; curvilinear coordinates. Prerequisite: Mathematics 116.

**347 INTRODUCTION TO REAL ANALYSIS I 3 sem. hrs.**

Sequences and series of real numbers; continuity; metric space topology; the Riemann Integral; the fundamental theorems of calculus. Prerequisite: Mathematics 116.

**348 INTRODUCTION TO REAL ANALYSIS II 3 sem. hrs.**

The elementary functions; sequences and series of functions; the Lebesgue Integral; Fourier Series. Prerequisite: Mathematics 347.

**349 COMPLEX ANALYSIS I 3 sem. hrs.**

Fundamentals of analytic function theory; the complex number plane; differentiability and analyticity; Cauchy's theorem and its implications; sequence and series including Taylor series and Laurent series. Prerequisite: Mathematics 347.

**350 MATHEMATICAL STATISTICS I 3 sem. hrs.**

Sample spaces and random variables; frequency functions; linear functions of random variables; nature of statistical functions; moment generating function and application to standard frequency functions. Prerequisite: Mathematics 116.

**351 MATHEMATICAL STATISTICS II 3 sem. hrs.**

Correlation and regression equations; development of Chi-square; student's t and F distributions; likelihood ratio tests; analysis of variance and nonparametric methods. Prerequisite: Mathematics 350.

**365 MATHEMATICAL LOGIC 3 sem. hrs.**

Propositional calculus; independence; many-valued logics; interpretations; satisfiability and truth; first-order theories; consistency and completeness theorems. Prerequisite: Mathematics 116.

**366 BOOLEAN ALGEBRA AND LOGICAL DESIGN 3 sem. hrs.**

Switching Circuits; Boolean Algebra as a model for propositional calculus; use of diagrams as an aid to logical design; logical design of digital computers; experience with logical programming. Prerequisite: Mathematics 116.

**368 PRINCIPLES OF DIGITAL COMPUTERS 3 sem. hrs.**

Fundamental concepts of programming using FORTRAN IV language; experience in writing programs and subprograms and running them on the IBM 1130, IBM 360/40, and/or G.E. Time Share computer. Prerequisite: Mathematics 116. (Laboratory arranged.)

**370 NUMERICAL ANALYSIS 3 sem. hrs.**

Interpolation and approximation; error analysis; integration; techniques for solving differential equations; Newton's method; matrix manipulation. Prerequisite: Mathematics 116, and knowledge of FORTRAN programming, Math 251 or 308 recommended.

**375 INTRODUCTION TO TOPOLOGY 3 sem. hrs.**

Topology of metric spaces, introduction to general topological spaces, and other topics. Prerequisite: Mathematics 116.

**390 SELECTED STUDIES IN MATHEMATICS 1-3 sem. hrs.**

The field of study will vary in each section and semester according to the interests and needs of the students. Provided different material is covered, the courses may be taken for credit more than once. Prerequisite: Mathematics 116.

## *Philosophy*

*Head of the Department:* Kenneth C. Kennard.

Freshmen who wish to elect a philosophy course should normally select a 100-level offering. Other students may begin with any 100 or 200-level course which has no prerequisite.

Courses at the 300-level with no specified prerequisites normally presuppose at least one course in philosophy, although suitably qualified students without formal work in philosophy may be admitted to such courses with the consent of the instructor.

Students planning to do graduate study in philosophy or allied fields should secure a reading mastery of at least one modern foreign language—preferably French or German.

### **MINOR IN PHILOSOPHY**

Courses in philosophy must total at least 18 hours. Included in this total must be at least one logic course (110, 210, or 310), two courses in the history of philosophy (254 and 255), one area course (261 or 262), and at least one philosophy elective numbered 200 or higher.

Students wishing to minor in philosophy are requested to inform the department of their intention and are invited to discuss their program with a philosophy adviser.

### **COURSES IN PHILOSOPHY**

**100 SOCIAL PHILOSOPHY 3 sem. hrs.**

Philosophical foundations and implications of selected social policies and problems. Alternative theories about the nature of the rights, duties, freedoms, and responsibilities which individuals have in political, economic, religious, and ethical situations.



**110 LOGIC 3 sem. hrs.**

Principles which enable persons to distinguish between correct and incorrect reasoning, and their use both in the organized disciplines and in practical affairs. Attention will be given to problems arising in the use of language, the detection of informal fallacies, the rules for valid deductive reasoning, and the nature of inquiry, explanation, and theorizing in the empirical sciences.

**120 PHILOSOPHY OF RELIGION 3 sem. hrs.**

A critical analysis of some fundamental religious beliefs. Selected passages from important philosophers of religion will be read and discussed. Topics treated include the arguments for God's existence and for human immortality; the problem of evil; the nature of religion, religious language, and religious experience; the relations between faith, reason, and revelation, religion and morality, and religion and science.

**130 INTRODUCTION TO PHILOSOPHY 3 sem. hrs.**

An introduction to selected philosophical problems in religion, ethics, metaphysics, and epistemology as these issues have been formulated and developed in the writings of representative philosophers of the past and present.

**210 SYMBOLIC LOGIC 3 sem. hrs.**

Contemporary formalization of deductive argumentation, including the propositional calculus, the first-order functional calculus, and the theory of descriptions. The nature of a formal deductive system, together with some of its properties such as consistency and completeness.

**231 AESTHETICS 3 sem. hrs.**

Selected theories on the nature of art. Origins of art, the aesthetic experience, imagination and the creative process, communication and appreciation, aesthetic criticism and judgment, and artistic truth.

**232 ETHICS 3 sem. hrs.**

Representative ethical theories, based on a study of the writings of representative philosophers of the past and present. Competing conceptions of value and obligation and their justification, and such issues as moral relativism, moral responsibility, and the resolution of moral conflicts.

**254 HISTORY OF PHILOSOPHY I 3 sem. hrs.**

History of ancient and medieval philosophy, beginning with the Milesians, and extending to the beginning of the Renaissance. Special attention will be given to outstanding figures like Socrates, Plato, Aristotle, and Stoics, Epicureans, Skeptics, Neo-Platonists, Augustine, Anselm, Aquinas, and Ockham. Emphasis will be placed upon the historical development of philosophical ideas and problems, and the interrelations between the influential men and movements of the period.

**255 HISTORY OF PHILOSOPHY II 3 sem. hrs.**

History of modern and contemporary philosophy, beginning with the Renaissance and extending into the twentieth century. Special attention will be given to Bacon, Descartes, Spinoza, Berkeley, Hume, Kant, Hegel, Schopenhauer, Nietzsche, Mill, Comte, Bergson, Dewey, Whitehead, Russell, Ayer, Wittgenstein, and Sartre. Emphasis will be placed upon the historical development of philosophical ideas and problems, and the interrelations between the influential men and movements of the period.

**261 EPISTEMOLOGY 3 sem. hrs.**

A survey and critical examination of significant classical and contemporary theories of knowledge. The discussion will consider problems of meaning, truth, certainty, apriori knowledge, induction, and perception. Prerequisite: One course in philosophy, or the consent of the instructor.

**262 METAPHYSICS 3 sem. hrs.**

A survey and critical examination of significant classical and contemporary metaphysical theories, and some problems considered by them, such as permanence and change, substance and process, universals and particulars, time and space, mechanism and teleology, mind and body, and freedom and determinism. Prerequisite: One course in philosophy, or the consent of the instructor.

**280 SELECTED STUDIES IN PHILOSOPHY 1-6 sem. hrs.**

Specialized study of an important man, movement, topic, or problem in philosophy. The topic will be dictated by the needs and interest of students, and by the availability of faculty. Provided different material is covered, this course may be repeated for credit.

**299 INDEPENDENT HONOR STUDY 1 to 3 sem. hrs.**

Intensive work in a special area of philosophy based on the student's written outline or prospectus. Each individual project is to culminate in a comprehensive written report and/or examination. Open only to resident students who have achieved superior academic records and who have demonstrated ability to profit from independent study. A maximum of six hours of credit in independent study may be applied toward graduation. Prerequisite: Permission of the instructor, the Head of the Department, and the Dean of Faculties.

**302 CONTEMPORARY PHILOSOPHY 3 sem. hrs.**

Some major philosophic movements of the twentieth century, including pragmatism, process philosophy, contemporary realism, logical positivism, and analytic philosophy. Reading and critical analysis of selected writings of some major figures in these traditions, including Bergson, James, Dewey, Whitehead, Santayana, Moore, Russell, Carnap, Wittgenstein, Widsom, Ryle, and Austin. Prerequisite: One course in philosophy, or the consent of the instructor.

**303 EXISTENTIALISM 3 sem. hrs.**

A survey of the development of the existentialist viewpoint in Augustine, Pascal, Kierkegaard, Dostoevski, and Nietzsche. Attention will be given to Husserl's phenomenological investigations, and to their influence upon the work of such figures as Jaspers, Heidegger, Sartre, and Merleau-Ponty. Prerequisite: One course in philosophy, or consent of the instructor.

**310 PHILOSOPHY OF SCIENCE 3 sem. hrs.**

General features and desirable properties of scientific theory. The logic of basic concepts in the physical and social sciences, such as "cause," "discovery," "law," "hypothesis," "theory," and the historical development of scientific knowledge and methods.

**380 SELECTED STUDIES IN PHILOSOPHY 3 sem. hrs.**

Specialized study of an important man, movement, topic, or problem in philosophy. The topic will be dictated by the needs and interests of students, and by the availability of faculty. Provided different material is covered, this course may be repeated for credit.

**390 INDEPENDENT STUDY 1 to 3 sem. hrs.**

Intensive work in a special area of philosophy based on the student's written outline or prospectus. Each individual project is to culminate in a comprehensive written report and/or examination. Open only to students who have demonstrated ability to profit from independent study. A maximum of six hours of credit in independent study may be applied toward graduation. Prerequisite: Permission of the instructor and the Head of the Department.

## *Physics*

*Head of the Department:* Harold J. Born. Office: Science Building 128.

### **MAJOR IN PHYSICS**

Courses in Physics must total 36 semester hours. The following specific courses are required: 110, 111, 220, 240, 270 (2 semester hours), 252. In addition, Chemistry 140 and 141 or Chemistry 150 are required.

### **COMPREHENSIVE MAJOR IN PHYSICAL SCIENCES**

Courses in Physics and Chemistry must total 53 semester hours. The following specific courses are required:

Physics: 18 semester hours including 108 and 109 or 110 and 111; 252; 270.

Chemistry: 18 semester hours including 140 and 141 or 150; 215, 230.

The remaining 17 semester hours of credit must be in Physics and Chemistry courses numbered 200 or higher.

### **MINOR IN PHYSICS**

Courses in Physics must total 23 semester hours. The following specific courses are required: 110, 111, 252.

## **TEACHING FIELDS**

### **MAJOR IN PHYSICS**

Courses in Physics must total 36 semester hours. The following specific courses are required: 110, 111, 220, 240, 270 (2 semester hours), 252, 301. In addition, Chemistry 140 and 141 (or Chemistry 150) are required. Industrial Technology 242 or 244 may be taken for physics credit.

### **MINOR IN PHYSICS**

Courses in Physics must total 23 semester hours. The following specific courses are required: 110, 111, 252.

### **COMPREHENSIVE MAJOR IN PHYSICAL SCIENCES**

Courses in Physics and Chemistry must total 53 semester hours. The following specific courses are required:

Physics: 21 semester hours including 108 and 109 or 110 and 111; 252; 270; 301.

Chemistry: 18 semester hours including 140 and 141 or Chemistry 150; 215; 230.

The remaining 14 semester hours of credit must be in courses in Physics and Chemistry numbered 200 or higher. Industrial Technology 242 or 244 may be taken for physics credit.



## MINOR IN PHYSICAL SCIENCES

Courses in Chemistry and Physics must total 25 semester hours. The following specific courses are required: Either Chemistry 140 and 141 or Chemistry 150; either Physics 108 and 109 or 110 and 111; Chemistry 230; a course in Physics numbered 200 or more.

## COURSES IN PHYSICS

### 100 INTRODUCTION TO PHYSICAL SCIENCES 3 sem. hrs.

Science for modern man. A study of selected topics in physics and chemistry and their application to scientific topics of current interest. Efforts will be made to illustrate the role of science in today's world. Not open to students with college credit in chemistry or physics courses. (Also offered as Chemistry 100.)

### 100-A INTRODUCTION TO PHYSICAL SCIENCE 3 sem. hrs.

A course designed to survey the fields of chemistry and physics. The experimental approach is utilized to develop techniques of observing the universe, postulating models consistent with observations, and the testing of postulations in new situations. Not open to physics or chemistry majors or minors. A student must complete both 100-A and 100-B to receive credit toward graduation.

### 100-B INTRODUCTION TO PHYSICAL SCIENCE 3 sem. hrs.

A continuation of Introduction to Physical Science 100-A.

### 101 INTRODUCTION TO PHYSICS AND ASTRONOMY 3 sem. hrs.

Contributions of astronomy to man's knowledge of physical laws. Basic laws of physics and applications to astronomy and space travel.

### 102 PHYSICS AND ASTRONOMY LABORATORY 1 sem. hr.

Laboratory work to complement and extend concepts developed in Physics 101. One three-hour laboratory period per week. Prerequisite: Concurrent registration in Physics 101 or consent of instructor.

### 105 FUNDAMENTALS OF PHYSICS 3 sem. hrs. (Formerly 156)

Basic principles of physics and their applications in everyday living. Mechanics, heat, electricity and light. Three class meetings per week, including one two-hour laboratory period.

### 106 ELEMENTARY PHYSICS 5 sem. hrs. (Formerly 157)

Brief course for those who need a one-semester course covering selected topics from the various divisions of physics. Five class meetings per week including one three-hour laboratory period. Students who have had Physics 105, 108, or 109 may not take this course for credit. May not be used for a first or second field in Physics.

### 108 GENERAL PHYSICS 5 sem. hrs. (Formerly 170)

First half of a two-semester sequence, including elementary mechanics, wave motion, sound, and heat. Five class meetings per week, including one three-hour laboratory period. Students who have had Physics 106 may not take this course for credit. Prerequisite: Concurrent registration: Mathematics 107 or 108.

### 109 GENERAL PHYSICS 5 sem. hrs. (Formerly 171)

Continuation of Physics 108 including elementary magnetism, electricity, electronics, optics, and radiation. Five class meetings per week, including one three-hour laboratory period. Students who have had Physics 106 may not take this course for credit. Prerequisite: Physics 108.

### 110 GENERAL PHYSICS 5 sem. hrs. (Formerly 180)

Includes the topics covered in General Physics 108 utilizing the concepts of calculus.

Students planning majors or minors in physics will be expected to take the 110-111 course sequence. Five class meetings per week including one three-hour laboratory period. Prerequisite: Mathematics 115 or concurrent registration.

**111 GENERAL PHYSICS 5 sem. hrs. (Formerly 181)**

A continuation of Physics 110. Five class meetings per week including one three-hour laboratory period. Prerequisite: Physics 110 and Mathematics 116 or concurrent registration.

**120 STATICS 2 sem. hrs.**

Force systems in equilibrium using vector methods, with applications to engineering. Prerequisite: Physics 110 and concurrent registration in Mathematics 116.

**205 PHYSICAL SCIENCES FOR ELEMENTARY TEACHERS 3 sem. hrs. (Formerly 225)**

Fundamentals of the Physical Sciences. Includes laboratory experiences designed to acquaint students with science principles necessary for the understanding and teaching of elementary school science. Three two-hour periods of lecture and laboratory per week. May not be taken for credit toward a major or minor in Chemistry, Physics, or Physical Sciences. (Also offered by Department of Chemistry)

**215 ASTRONOMY 2 sem. hrs. (Formerly 270)**

The universe, the solar system, the celestial sphere, the galactic systems, measuring time, and an introduction to celestial navigation. Prerequisite: Physics 101, 105, 106, 108, or 110.

**220 MECHANICS 3 sem. hrs. (Formerly 280)**

Kinematics and dynamics of particles; introductory treatment of rigid bodies; harmonic oscillation. Prerequisite: Physics 109 or 111 and Mathematics 116.

**225 THERMODYNAMICS 3 sem. hrs. (Formerly 281)**

The laws of thermodynamics and their application to pure and mixed systems with a brief introduction to statistical mechanics. Prerequisite: Physics 109 or 111 and Mathematics 116 or concurrent registration.

**230 OPTICS 3 sem. hrs. (Formerly 285)**

Wave motion as applied to sound and light, including the following: Doppler's and Huygen's principles, lens study, dispersion, interference, wave lengths, and electromagnetic theory. Prerequisite: Physics 109 or 111 and Mathematics 116.

**240 ELECTRICITY AND MAGNETISM 3 sem. hrs. (Formerly 282)**

Electrostatic field; electric fields in simple geometries; electric current; magnetostatic fields, magnetic fields of simple geometries; introduction to electromagnetic theory and Maxwell's equations. Prerequisite: Physics 109 or 111 and Mathematics 116.

**250 INTERMEDIATE PHYSICS 3 sem. hrs. (Formerly 273)**

Advanced course in physics for those who are not familiar with calculus. Emphasis is placed on modern physics. Not open to students with first or second fields in physics or comprehensive field in physical sciences. Prerequisite: Physics 109.

**251 TOPICS IN CONTEMPORARY PHYSICS 3 sem. hrs. (Formerly 286)**

Atomic and nuclear physics; cosmic radiation; elementary particles; nuclear energy; new theoretical concepts. Prerequisite: 200-level course in physics.

**252 MODERN PHYSICS 3 sem. hrs. (Formerly 284)**

Foundation of atomic and nuclear physics; short introduction to relativity, quantum mechanics, and solid state physics. Prerequisite: Physics 109 or 111 and Mathematics 116.

**270 ADVANCED LABORATORY IN PHYSICS 1-2 sem. hrs. (Formerly 283)**

Instruction in the use of precision laboratory equipment and performance of fundamental experiments in physics. May be taken twice for credit. One three-hour laboratory

period for each semester hour of credit. Prerequisite: One 200- or 300- level physics course for each hour of credit.

**290 RESEARCH IN PHYSICS 1-3 sem. hrs. (Formerly 289)**

Development of a better understanding of the significance of research in physics through the study of a research problem. Three hours of laboratory, conference, and library research per week for each semester hour of credit. May be repeated for credit up to a total of three semester hours. Prerequisite: 20 semester hours of physics; consent of Head of Department.

**300 BASIC CONCEPTS OF PHYSICS 3 sem. hrs. (Formerly 350)**

Basic concepts of mechanics, heat, light, sound, electricity, and atomic physics. Lecture and laboratory. Designed for teachers of elementary science with limited background in the area of physics. Not open to students who have had one semester of college laboratory physics within the past ten years, or with first or second fields in chemistry, physics, and the physical sciences. Prerequisite: Physics 100 or 205 or two years of teaching experience.

**301 PROBLEMS IN THE TEACHING OF HIGH SCHOOL PHYSICAL SCIENCES 3 sem. hrs.**

A study of modern methods and problems confronting teachers of the physical sciences. Involves a careful study of CBA, Chem. Study, PSSC, and regular high school chemistry and physics. Brief overview of the K-12 physical science program. Prerequisite: 10 semester hours of chemistry and 10 semester hours of physics. May not be taken for credit toward an arts and sciences degree. (Also offered by Department of Chemistry)

**302 MUNICIPAL AND INDUSTRIAL SCIENCE 3 sem. hrs. (Formerly 332)**

Aspects of community and industrial problems. Includes trips to industries and research laboratories. Lectures and discussion periods involving related chemical and physical principles are coordinated with the field trip program. Gives a background in applied science as an enrichment for classroom teaching. Prerequisites: Twenty-two hours including one year of general chemistry, one year of general physics, and two 200- or 300-level courses in chemistry or physics. (Also offered by Department of Chemistry.)

**305 GENERAL SCIENCE 3 sem. hrs. (Formerly 325)**

Objectives of general science. Selection of subject matter, tests, texts, workbooks, equipment, and supplies will be considered. For teachers qualified to teach general science in the elementary, junior high, and senior high schools. (Also offered by Department of Chemistry.)

**320 MECHANICS 3 sem. hrs. (Formerly 385)**

A continuation of Mechanics 220 with emphasis on accelerated coordinate systems, Lagrange's equations, rigid body motion in three dimensions, Hamilton's equations, and theory of small vibrations. Prerequisites: Physics 220 and Mathematics 340.

**340 ELECTRICITY AND MAGNETISM 3 sem. hrs. (Formerly 386)**

Maxwell's equations and boundary value problems, alternating currents, electronics, radiation and propagation of electromagnetic waves. Prerequisites: Physics 220, 240, and Mathematics 340.

**352 MODERN PHYSICS 3 sem. hrs. (Formerly 387)**

The photon, electromagnetic radiation, neutrons and nuclear forces, radioactivity and detection, nuclear reactions, elementary particles, and high energy physics. Prerequisite: Physics 252 and Mathematics 340.

**384 INTRODUCTION TO QUANTUM MECHANICS 3 sem. hrs.**

Mathematical formulation of quantum theory and applications to simple systems. Prerequisites: Physics 252 and Mathematics 340.



**387 METHODS OF MATHEMATICAL PHYSICS 3 sem. hrs.**

An introduction to the mathematical methods needed in advanced physics. Topics included are vector calculus; linear vector spaces, matrix algebra, and tensor analysis; orthogonal polynomials; Fourier analysis. Applications to relativity and classical physics. Prerequisites: Physics 280 and 282, or consent of instructor.

## *Political Science*

*Head of the Department:* Alice L. Ebel. *Office:* Schroeder Hall 371.

### **MAJOR IN POLITICAL SCIENCE**

Students electing Political Science as a major must complete a minimum of 23 semester hours. The following courses are required: 105, 121 or 221. In addition the student is required to take a minimum of 18 semester hours in other social sciences (History, Economics, and Sociology-Anthropology) with at least one course in each of these categories.

### **MINOR IN POLITICAL SCIENCE**

Courses in Political Science must total 18 semester hours. The following courses are specifically required: 105, 121 or 221.

The major and minor in Political Science are the same for a teaching degree as for a degree in arts and sciences.

### **COURSES IN POLITICAL SCIENCE**

#### **105 AMERICAN GOVERNMENT AND POLITICS 3 sem. hrs.**

Structure and process, politics and purposes of the American National Government and its place within the federal system; the relationship between the government and the governed. Not open to students who have had Social Sciences 150, American National Government.

#### **121 GOVERNMENT AND POLITICS OF ILLINOIS 2 sem. hrs. (Formerly 151)**

Organization and function of local and state government in Illinois. Emphasis on elections, the role of voters, and the duties and responsibilities of officials. Recommended for students who wish to prepare for the special examination on the constitutions. Also recommended for teachers who wish to organize selected units for teaching the constitutions. Not open to students who have had Political Science 221.

#### **213 THE AMERICAN LEGISLATIVE PROCESS 3 sem. hrs.**

An introductory survey of the literature, problems, and issues concerning American legislative bodies. Consideration of systematic approaches to the study of legislative institutions, personnel, processes, and policy outputs, together with various reform proposals.

#### **221 AMERICAN STATE AND LOCAL GOVERNMENT 3 sem. hrs. (Formerly 255)**

Structure and functioning of state and local governments in the United States. Emphasis on the politics of states, counties, townships, and special districts. Includes federal-state, interstate, and state-local relationships and problems. Not open to students who have had Political Science 121.

**222 URBAN PROBLEMS AND POLITICS 3 sem. hrs. (Formerly 252)**

Urbanization and the resulting rapid increase of economic, social and political problems. Attention centered on politics of metropolitan areas and municipal functions, such as public safety, public welfare, public works, recreation, transportation, city planning, and local government finance.

**231 PUBLIC ADMINISTRATION 3 sem. hrs. (Formerly 257)**

Scope, organization and functioning of public administration; administrative behavior and techniques; personnel selection and processes; budgeting; the role of the administrator in politics; evolution and control of administration. Prerequisite: Political Science 105.

**241 COMPARATIVE GOVERNMENT 3 sem. hrs. (Formerly 258)**

To broaden the student's outlook and to familiarize him with the achievements of other political units. The structure and functioning of governments of Great Britain, Germany, France, Russia, China, Japan, Switzerland, and other small states. Prerequisite: Political Science 105.

**251 INTERNATIONAL RELATIONS 3 sem. hrs. (Formerly 254)**

Problems of nationalism, imperialism, war, and peace. The growth of international organization is emphasized and the whole material is pointed to the future.

**256 AMERICAN FOREIGN POLICY 3 sem. hrs.**

An introduction to the formulation and execution of American foreign policy in the modern world.

**261 ANCIENT AND MEDIEVAL POLITICAL PHILOSOPHY 3 sem. hrs. (Formerly 250)**

A survey of the ancient and medieval theories through the seventeenth century. Provides a foundation for the understanding of the main currents in the history of political ideas.

**262 MODERN POLITICAL PHILOSOPHY 3 sem. hrs. (Formerly 251)**

Modern political philosophy from the seventeenth through the nineteenth centuries. Provides a foundation for the understanding of the main currents in the history of political ideas.

**299 INDEPENDENT HONOR STUDY 1-6 sem. hrs.**

Intensive work in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report and/or examination. Open only to resident students who have achieved superior academic records and who have demonstrated ability to profit from independent study. A maximum of six hours of credit in independent study may be applied toward graduation. Prerequisite: Permission of the instructor, the Head of the Department, and the Dean of the Faculties.

**311 POLITICAL PARTIES 3 sem. hrs. (Formerly 353)**

American party system as to its development, organization, and activities. Emphasis upon a realistic constructive knowledge of present-day parties. Prerequisite: Political Science 105.

**312 PUBLIC OPINION AND PROPAGANDA 3 sem. hrs. (Formerly 368)**  
(See Sociology 312.)**313 COLLECTIVE DECISION-MAKING 3 sem. hrs.**

A game theoretical analysis of coalition formation and decision-making in n-person groups. The context will be legislative bodies, but the essential notions apply to international relations, labor negotiations, oligopoly, and complex organizations.

**315 AMERICAN CONSTITUTIONAL LAW 3 sem. hrs. (Formerly 351)**

Analysis and discussion of leading cases interpreting the United States Constitution with consideration given to the political and economic conditions underlying the decision. Prerequisite: Political Science 105.

**330 PROBLEMS OF PUBLIC ADMINISTRATION 3 sem. hrs.**

Consideration of issues and problems of current interest in the field of public administration. Extensive use is made of actual case studies in administration. This course is intended to provide advanced work for undergraduates and also to serve as an introduction to the field for graduate students without previous training in public administration.

**331 PUBLIC PERSONNEL ADMINISTRATION 3 sem. hrs.**

A detailed examination of the personnel process in modern government: values and personnel administration; the merit system; personnel procedures, such as recruitment, classification, pay, promotion, collective negotiation, employee protection; organization of the personnel agency; human relations in public administration.

**341 BRITISH GOVERNMENT 3 sem. hrs.**

Intensive study of the structure and function of the government of Britain and its political processes.

**342 SOVIET GOVERNMENT AND POLITICS 3 sem. hrs.**

Study of the government of the Soviet Union, the theory and practice of Communism, and its impact on the modern world.

**343 LATIN AMERICAN POLITICS 3 sem. hrs.**

An introduction to the politics and government of Latin America with an emphasis on political-socio-economic developments and special problems associated with development; analysis of political institutions and processes using selected republics as primary examples.

**363 AMERICAN POLITICAL THOUGHT 2 sem. hrs. (Formerly 356)**

A survey of major political thinkers and statesmen who have contributed to the development of American political thought and institutions from the colonial period to the present.

**392 POLITICAL SYSTEMS: THEORY AND PRACTICE 2-3 sem. hrs. (Formerly 358)**

The origin, theory, and practice of constitutional democracies and of totalitarian regimes. The democratic challenge to dictatorships. The autocratic challenge to constitutionalism. Provided different material is covered, the course may be taken for credit more than once.

**397 INTRODUCTION TO RESEARCH 3 sem. hrs.**

An introduction to the epistemological, methodological, statistical, and empirical problems of research in political science. Emphasis is placed on the empirical behavioral methods of analyzing political-social phenomena.



## *Psychology*

*Head of the Department:* Walter H. Friedhoff. *Office:* Schroeder Hall 420.

### **MAJOR IN PSYCHOLOGY**

Courses in Psychology must total 27 semester hours, including Psychology 111, 330 and 340 and 4 courses from the following: Psychology 301 or 302, 320, 331, 334, 350, 360.

### **MINOR IN PSYCHOLOGY**

Courses in Psychology must total 18 semester hours, including Psychology 111, 330, and 340.

### **TEACHING FIELDS**

### **MAJOR IN PSYCHOLOGY**

Courses in Psychology must total 32 semester hours, including Psychology 111, 330, 340. In addition, a student must choose four of the following six courses: Psychology 320, 334, 301 or 302, 331, 350, 360.

### **MINOR IN PSYCHOLOGY**

Courses in Psychology must total 18 semester hours, including Psychology 111, 330, and 340.

All students seeking a major in Psychology are required to take Mathematics 107 or 110 depending on high school Mathematics completed. A student will be exempt from this Mathematics requirement, however, if he has the equivalent of Mathematics 110 or if he scores satisfactorily on the placement examination given by the Mathematics Department.

### **COURSES IN PSYCHOLOGY**

#### **111 GENERAL PSYCHOLOGY 3 sem. hrs.**

Scientific study of behavior. Motivation, emotion, abilities and interests, personality, hereditary and environmental influences, learning and remembering, observing and attending. Emphasis is upon general principles.

#### **115 EDUCATIONAL PSYCHOLOGY 3 sem. hrs.**

Study of the application of psychology to education. Especially designed for the prospective teacher at the secondary level. Attention is given to learning, adolescent development, educational measurement, social influences on learning and the teacher as a classroom leader. Students who have taken Education 102 may not take this course for credit. Prerequisite: Psychology 111.

#### **131 SOCIAL PSYCHOLOGY 3 sem. hrs. (Formerly 231)**

Scientific study of the behavior of the individual as influenced by other individuals; communication, motivation, differential social and cultural factors in personality; social interaction. Prerequisite: Psychology 111 or Sociology 106.

**230 BUSINESS AND INDUSTRIAL PSYCHOLOGY 3 sem. hrs.**

Application and extension of psychological facts and principles to the problems of human relations and human engineering in business and industry, including product distribution. Prerequisite: Psychology 111.

**232 PSYCHOLOGY OF ADJUSTMENT 3 sem. hrs.**

Factors which determine or influence human behavior. Emphasis on the normal and pathological patterns developing as a result of situational factors in the home, school, community. Prerequisite: Psychology 111.

**290 SPECIAL PROJECTS 1-6 sem. hrs.**

This course allows majors in Psychology to pursue areas of special interest independently and/or work on special projects. Community as well as University facilities are available. In order to register for this course, students must have the approval of the staff member under whom they wish to work. Prerequisite: Permission of department head and consent of supervising staff member.

**292 PSYCHOLOGY SEMINAR 2 sem. hrs.**

The seminar in Psychology is available to students in Psychology who wish to pursue in detail a particular area of interest within the discipline of Psychology. Prerequisite: Senior standing, majors and minors only.

**299 INDEPENDENT HONOR STUDY 1-6 sem. hrs.**

Intensive work in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report and/or examination. Open only to resident students who have achieved superior academic records and who have demonstrated ability to profit from independent study. A maximum of six hours of credit in independent study may be applied toward graduation. Prerequisite: Permission of the instructor, the Head of the Department, and the Dean of the Faculties.

**301 DEVELOPMENTAL PSYCHOLOGY I 3 sem. hrs.**

Study of available research on the motor, mental, and emotional development; growth of understanding; personality of children during pre-adolescence. Prerequisite: Psychology 111.

**302 DEVELOPMENTAL PSYCHOLOGY II 3 sem. hrs.**

Study of the available research on the motor, mental and emotional development and personality of the adolescent. Prerequisite: Psychology 111.

**320 HISTORY AND SYSTEMS OF PSYCHOLOGY 3 sem. hrs.**

A survey of the historical antecedents of modern psychology, beginning with Aristotle. Examination of modern psychology from a systems point of view. Prerequisite: 12 semester hours of psychology.

**330 EXPERIMENTAL PSYCHOLOGY I 3 sem. hrs.**

Simple experiments in the psychology laboratory. Emphasis is upon the problems of control in the scientific study of behavior. Three class periods per week—two lectures and one laboratory period plus additional laboratory assignments. Prerequisite: Psychology 111.

**331 EXPERIMENTAL PSYCHOLOGY II 3 sem. hrs.**

Lectures, demonstrations and laboratory experiments dealing with methodology, results, and interpretation of human and animal behaviors with emphasis on sensory processes, perception, and learning. Prerequisite: Psychology 340 or concurrent registration.

**334 PSYCHOLOGICAL MEASUREMENT 3 sem. hrs. (Formerly 331)**

Selection, interpretation and evaluation of psychological tests, with emphasis on theory at a beginning level. Selection and evaluation criteria and methods of scoring are

considered with respect to use of tests as indicators of psychological constructs and/or use in specific decision situations. Meets the requirements for psychological testing for students in special education. Prerequisite: Psychology 111.

**340 STATISTICS I 3 sem. hrs.**

Basic statistics used in education and the behavioral sciences. Intensive study of frequency distributions, measures of central tendency and dispersion, and standard scores. Sampling error theory, simple hypothesis testing, correlation techniques, and regression analysis are also covered. The emphasis is on application and interpretation. (Also offered as Education 340 and Sociology 340). Prerequisite: Psychology 111 or Sociology 106.

**346 PSYCHOLOGY OF EXCEPTIONAL CHILDREN 2 sem. hrs.**

The study of children who deviate markedly above or below the norms of their groups in reference to one or several intellectual, emotional, physical, or social attributes, or any combination of these, so as to create a special problem in regard to their education, development, or behavior. Emphasis is placed on the implications for educational and treatment programs. Prerequisite: Psychology 232 and 334.

**347 BEHAVIOR DISORDERS IN CHILDREN 3 sem. hrs.**

Introduction to medical, psychological, sociological aspects of behavioral disorders of children. Prerequisite: Education 102 or Psychology 115.

**348 MENTAL RETARDATION 3 sem. hrs.**

Medical, psychological and sociological characteristics and behavior of the mentally retarded. Methods of classification, causes and rehabilitative aspects. Prerequisite: Psychology 115 or Education 102.

**350 PSYCHOPATHOLOGY 3 sem. hrs.**

Psychological aspects of the behavior disorders, including study of the neuroses, psychoses, character disorders, mental deficiencies, and other psychopathological conditions. Prerequisite: 12 semester hours of Psychology.

**360 LEARNING 3 sem. hrs.**

Experimental data bearing on the problem of human learning; learning theory; learning data and theory in relation to the problems of the teacher. Prerequisite: Psychology 111.

**361 PERCEPTION 3 sem. hrs.**

Cognitive processes and their relationship to other processes. The relationship of sensation, attention, and memory to perception and the factors which influence perception. Prerequisite: 9 semester hours of Psychology.

**362 COMPARATIVE PSYCHOLOGY 3 sem. hrs.**

The study, analysis, and investigation of the relationships among different species with regard to their behavior, emotions, and mental processes. Prerequisite: 9 semester hours of Psychology.

**363 PHYSIOLOGICAL PSYCHOLOGY 3 sem. hrs.**

Physiological and biochemical factors which underlie the behavior of organisms and the mechanisms which mediate between the impinging of stimuli upon the organism and the effect of the organism upon the environment. Prerequisite: 9 semester hours of Psychology.

**364 MOTIVATION 3 sem. hrs.**

Experimental study of drives, social motives, theories of motivation, practical applications. Prerequisite: 9 semester hours of Psychology.



## *Social Sciences*

*Adviser to Social Science students:* Benjamin J. Keeley. Office: 365 Schroeder Hall.

The courses leading to the comprehensive major in Social Sciences are offered by the Departments of Economics, History, Political Science, and Sociology-Anthropology.

### COMPREHENSIVE MAJOR IN SOCIAL SCIENCES

Students may pursue a comprehensive field of 55 semester hours. Students must complete a minimum of 16 semester hours in history (8 in United States history and 8 in world history), 8 semester hours in economics, 8 semester hours in political science, and 8 semester hours in sociology. The following courses are required: History 123, 124, 135, 136; Economics 107 and 171; Political Science 105; Sociology 106.

The comprehensive major is the same for a teaching degree as for a degree in arts and sciences.

### COURSES IN SOCIAL SCIENCES

(See also the departments of Economics, History, Political Science, and Sociology-Anthropology.)

#### **291 MATERIALS IN SOCIAL SCIENCES 2 sem. hrs.**

Historical approach to the development of the social sciences with emphasis on the changing content of each field and its significance for the high school curriculum. Emphasis on historiography, leaders in each field, professional and scholarly organizations, and current literature and materials for the informed teacher. For students who have a first or second field in the social sciences.

#### **299 INDEPENDENT HONOR STUDY 1-6 sem. hrs.**

Intensive work in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report and/or examination. Open only to resident students who have achieved superior academic records and who have demonstrated ability to profit from independent study. A maximum of six hours of credit in independent study may be applied toward graduation. Prerequisite: Permission of the instructor, the Head of the Department, and the Dean of the Faculties.

#### **306 REGIONAL AND AREA STUDIES 1-9 sem. hrs.**

An intensive study of particular lands, environments, cultures, and peoples. May be given in cooperation with other departments, on or off campus. The areas to be studied, participating departments, and credit hours available in the several departments, will be announced each time the course is offered.

## *Sociology-Anthropology*

*Head of the Department:* Vernon C. Pohlmann. *Office:* Schroeder Hall 365.

### MAJOR IN SOCIOLOGY-ANTHROPOLOGY

Students electing Sociology-Anthropology as a major must complete a minimum of 27 semester hours in Sociology-Anthropology, 6 semester hours in Economics, 3 semester hours in Political Science, 6 semester hours in European History, and 3 semester hours in U.S. History. The following courses are required: Sociology 106, 370, 371; Anthropology 181. It is strongly recommended that the student take at least three semester hours in each of these fields: Biology, Philosophy, Statistics.

### MINOR IN SOCIOLOGY-ANTHROPOLOGY

Courses in Sociology-Anthropology must total 18 semester hours. The following course is specifically required: Sociology 106.

The major and minor in Sociology-Anthropology are the same for a teaching degree as for a degree in arts and sciences.

Courses are offered under three headings, Anthropology, Social Work, and Sociology.

### COURSES IN ANTHROPOLOGY

#### **181 GENERAL ANTHROPOLOGY 3 sem. hrs.**

An introduction to the fields of anthropology—physical and cultural—providing the student with an opportunity to acquire a mature understanding of the nature of man and his behavior in the societies of the world. Attention is centered on such topics as human evolution, modern races and racism, archeology, the concept of culture, culture-personality relationships, culture change, language in relation to behavior, the application of anthropology to “practical” concern, especially to the field of education.

#### **281 CULTURAL ANTHROPOLOGY 3 sem. hrs.**

Examination of family life, economic organization, religion, folklore, social organization, government, language, education, inventions, and art forms of pre-literate peoples. Prerequisite: Anthropology 181.

#### **283 PREHISTORIC MAN 3 sem. hrs.**

Origins and developments of man up to his literate beginnings. May emphasize physical anthropology or archaeology depending on the interests of the students and the availability of an instructor. Prerequisite: Anthropology 181.

#### **306 REGIONAL AND AREA STUDIES 1-9 sem. hrs.**

An intensive study of particular lands, environments, cultures, and peoples. May be given in cooperation with other departments, on or off campus. The areas to be studied, participating departments, and credit hours available in the several departments, will be announced each time the course is offered. Prerequisite: Permission of the instructor.

#### **382 THE AMERICAN INDIAN 3 sem. hrs.**

Analysis of the social, economic, religious, and artistic developments of various representative American Indian societies. Environmental and historical factors shaping

these ways of life; particular attention to Indians as they are today—their reservation cultures, the federal policies toward them, and their future prospects. Prerequisite: Anthropology 281 or permission of the instructor.

**383 SELECTED STUDIES IN CULTURE AREAS 3 sem. hrs.**

Concentrated study of culture patterns of selected areas. Introduction to the physical characteristics and history of the aboriginal peoples and study of their social, political, and intellectual life. An analysis of the dynamics to culture change together with the human problems resulting from these changes. Prerequisite: Anthropology 281.

**384 SELECTED STUDIES IN ANTHROPOLOGY 3 sem. hrs.**

The field of study covered will vary each semester according to the interests and needs of the students and the availability of instructors. Provided different material is covered, the course may be taken more than once. Prerequisite: Permission of the instructor.

## **COURSES IN SOCIAL WORK**

**221 INTRODUCTION TO SOCIAL WORK I 3 sem. hrs.**

A general introduction to our English heritage and the American movements from almshouse to current social security laws, as well as from charity organization to current private agency practice. Public welfare and family services will be examined. A general explanation of casework, group work, and community organization. Prerequisite: Sociology 106 or Psychology 111.

**222 INTRODUCTION TO SOCIAL WORK II 3 sem. hrs.**

An examination of modern social work, with enlargement on family services and public welfare services will be made. The fields of psychiatric, medical, and school social work, as well as services for children, the aged, and corrections will be explored. Case study adaptations will be used for each field and service. Prerequisite: Social Work 221.

**225 ELEMENTARY PROBLEMS IN SOCIAL CASEWORK 2 sem. hrs.**

An overview of social work practices such as using records, interviewing, recording, confidentiality, case transfer, case termination, progress evaluation, with orientation in the area of school social work. Prerequisite: Social Work 222.

**323 CHILD WELFARE SERVICES 3 sem. hrs. (Formerly 463)**

Examination of policies, personnel, facilities, and practices for the care of dependent, neglected, delinquent, physically-handicapped, and mentally-retarded children. Consideration given to adoptive procedures, foster-home placements, probation, parole, and vocational placements. Prerequisite: Introduction to Social Work 221 or Special Education major.

## **COURSES IN SOCIOLOGY**

**106 INTRODUCTION TO SOCIOLOGY 3 sem. hrs.**

Analysis and description of the structure and dynamics of human society. Attention is centered on such topics as culture, socialization, stratification, collective behavior, family, minority relations, population, and crime.

**131 SOCIAL PSYCHOLOGY 3 sem. hrs.**

The influence of social environment on individual behavior. Social perception, social motivation, group structure and process, attitude formation and change, social role theory, socialization. Prerequisite: Sociology 106 or Psychology 111. Also offered as Psychology 131.

**160 SOCIAL STRATIFICATION 3 sem. hrs. (Formerly 260)**

Social stratification, how and why it arises, and its implications for human behavior. Includes theories and character of social class systems, research in stratification, differential class behavior, social mobility, power relationships, and caste and estate systems. Prerequisite: Sociology 106.



**261 THE COMMUNITY 3 sem. hrs.**

The structure and function of the community. Changes in community; power and leadership in the community; community organization. Prerequisite: Sociology 106.

**262 THE FAMILY 3 sem. hrs.**

Family as a social institution and as a system of interacting personalities. Development of family, cross-cultural perspectives, our past and present patterns, premarital behavior, marital interaction, and family disorganization. Prerequisite: Sociology 106.

**263 DEVIANT BEHAVIOR 3 sem. hrs.**

Theories of origins and control of deviant behavior. Functions of deviance, and re-absorption of the deviant. Prerequisite: Sociology 106.

**264 MINORITY PEOPLES 3 sem. hrs.**

A study of ethnic, racial, and other minority groups. Problems arising from fusion of cultures such as prejudice and discrimination; interpretation of values. Prerequisite: Sociology 106.

**265 SURVEYS AND FIELDWORK 1-3 sem. hrs.**

Provides experience in ongoing research or fieldwork being conducted by the staff, or under the supervision of the staff. Provided different material is covered, the course may be taken more than once. Prerequisite: Permission of the instructor.

**267 POPULATION 3 sem. hrs.**

An analysis of the factors affecting population changes; migration, birth rates, death rates; theories and policies of population numbers and quality; significance of population size, growth, and decline for education, industry, government, and other institutions. Prerequisite: Sociology 106.

**268 SOCIOLOGY OF RELIGION 2 sem. hrs.**

Analysis of religious behavior in our own and other societies as an aspect of group behavior common to all societies; consideration of nature, functions, scope, origins of religion; impact of religion on the individual, society, and culture; impact of social forces on religion. Prerequisite: Sociology 106 or Anthropology 181.

**299 INDEPENDENT HONOR STUDY 1-6 sem. hrs.**

Intensive work in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report and/or examination. Open only to resident students who have achieved superior academic records and who have demonstrated ability to profit from independent study. A maximum of six hours of credit in independent study may be applied toward graduation. Prerequisite: Permission of the instructor, the Head of the Department, and the Dean of the Faculties.

**312 PUBLIC OPINION AND PROPAGANDA 3 sem. hrs. (Formerly 368)**

The study of public opinion as a part of communication process. The formation, properties, and distribution of public opinion. Includes attitude formation, psychological processes, opinion change, mass media, measurement. Attention given to the relation of public opinion to the political decision-making process. May be considered as Political Science or Sociology. Prerequisite: Sociology 106 or Political Science 105.

**332 SMALL GROUPS 3 sem. hrs. (Formerly 360)**

The structure and functioning of small human groups. Special attention to conditions affecting interaction in small groups, the small group as an ongoing social system, and products of interaction in a small group. Limited research project. Prerequisites: Sociology 131 or Psychology 131.

**340 STATISTICS I 3 sem. hrs.**

Basic statistics used in education and the behavioral sciences. Intensive study of frequency distributions, measures of central tendency and dispersion, and standard scores. Sampling error theory, simple hypothesis testing, correlation techniques, and

regression analysis are also covered. The emphasis is on application and interpretation. Same as Psychology 340. Prerequisite: Sociology 106 or Psychology 111.

**365 JUVENILE DELINQUENCY 3 sem. hrs.**

Delinquency as a social and legal problem; theories of delinquency, the juvenile court; prevention and treatment. Prerequisite: Sociology 263.

**366 CONTEMPORARY SOCIAL MOVEMENTS 2 sem. hrs. (Formerly 466)**

Analysis of social unrest as indicative of social disorganization; patterns of collective behavior; structure and functions of social movements. An examination of various types of social movements—religious, political, revolutionary, youth, agrarian, and reform. Analysis of morale, strategy, types of leaders, and control mechanisms. Prerequisite: Sociology 106.

**367 CRIMINOLOGY 3 sem. hrs.**

Criminological theory and practice. Crime as a social and legal problem, problems in the administration of justice. Prerequisite: Sociology 263.

**369 SELECTED STUDIES IN SOCIOLOGY 3 sem. hrs.**

The field of study will vary each semester according to the needs and interests of students and the availability of instructors. Provided different material is covered, the course may be taken more than once. Prerequisite: Consent of the instructor.

**370 HISTORY OF SOCIOLOGICAL THOUGHT 3 sem. hrs.**

Analysis and appraisal of classical works in sociology from Comte to the early Twentieth Century. Such men as Weber, Durkheim, and Marx will be discussed. Prerequisite: Sociology 106.

**371 INTRODUCTION TO SOCIOLOGICAL RESEARCH 3 sem. hrs.**

Introduction to sociological research focusing on the convergence of theory and research in sociology; the design of inquiry, conceptualization and measurement of social variables, collection of data, analysis and interpretation of data. Emphasis is upon the survey design. Individual and collective research projects form a part of the course. Prerequisite: Sociology 106 or Political Science 105.





## *Speech*

*Head of the Department:* Charles A. White. *Office:* Centennial Building East 286.

### MAJOR IN SPEECH

Courses in Speech must total 36 semester hours. The student must select one of the following major sequences:

**General Speech Sequence:** The following courses are required: 111, 112, 114, 135, 136, 141, 223, 237, and electives to complete 36 semester hours, not more than 6 of which may be taken from any one of the areas of Speech Pathology-Audiology, Public Address, Oral Interpretation, Radio-Television-Film, Theatre.

**Public Address Sequence:** The following courses are required: 111, 112, 114, 125, 135, 141, 223, 321, 324 or 370, 328, and electives to complete 36 semester hours.

**Radio-TV-Film Sequence:** The following specific courses are required: 112, 114, 141, 160, 262, 263, 360. In addition, the student must take 9 hours from any of the following courses: 260, 264, 265, 361, and 362. In addition, the student must take 111 and 135 (for students interested in Radio-TV-Film producing and directing) OR 132 or 223 and 311 (for students interested in Radio-TV-Film performance).

**Theatre Sequence:** The following courses are required: 111, 112, 114, 125 or 223, 132, 135, 136, 141, 237, 335, and electives to complete 36 semester hours.

### MINOR IN SPEECH

Courses in Speech must total 24 semester hours. The student must select one of the following minor teaching sequences:

**Public Address Sequence:** The following courses are required: 111, 112, 114, 125, 135, 141, 223, 281.

**Radio-TV-Film Sequence:** The following courses are required: 111, 112, 114, 135 or 141 or 223, 160, 262 or 263; 6 additional semester hours from the Radio-Television-Film sequence.

**Theatre Sequence:** The following courses are required: 111, 112, 114, 125 or 223, 135, 141, 237, 281, and elective to complete 24 semester hours.

## TEACHING FIELDS

### MAJOR IN SPEECH

Courses in Speech must total 36 semester hours. The students must select one of the following major teaching sequences:

**General Speech Sequence:** The following courses are required: 111, 112, 114, 135, 136, 141, 223, 237, 281, and electives to complete 36 semester hours, not more than 6 of which may be taken from any one of the areas of Speech Pathology-Audiology, Public Address, Oral Interpretation, Radio-Television-Film, Theatre.



Public Address Sequence: The following courses are required: 111, 112, 114, 125, 135, 141, 223, 281, 321, 324 or 370, 328, and electives to complete 36 semester hours.

Theatre Sequence: The following courses are required: 111, 112, 114, 125 or 223, 132, 135, 136, 141, 237, 281, 335, and electives to complete 36 semester hours.

## MINOR IN SPEECH

Courses in Speech must total 24 semester hours. The student must select one of the following minor teaching sequences:

Public Address Sequence: The following courses are required: 111, 112, 114, 125, 135, 141, 223, 281.

Radio-TV-Film Sequence: The following courses are required: 111, 112, 114, 135 or 141 or 223, 160, 262 or 263, 281, 362.

Theatre Sequence: The following courses are required: 111, 112, 114, 125 or 223, 135, 141, 237, 281, and elective to complete 24 semester hours.

Speech Correction Minor (available to Speech majors only): Students taking a major in Speech may elect this minor to become certified as Speech Correctionists by the State of Illinois. The following specific courses are required: Biological Sciences 181, 182; Psychology 232, 334; Speech 215, 311, 316, 318, 319, 350, 351, 371, 372. Student teaching must be done in the Speech Clinic. Two hundred clock hours of clinical work are required. These are ordinarily completed in Education 399.

It is strongly recommended that a student completing a major or minor in Speech take theatre courses in the following order: 111, 135, 132, 136, 237, 335.

## COURSES IN GENERAL SPEECH

### 110 FUNDAMENTALS OF SPEECH 3 sem. hrs.

Theory and practice to develop acceptable speech proficiency in the various speaking activities demanded of citizens in a free society. Not open to majors and minors in Speech. Prerequisite: English 101.

### 112 PUBLIC SPEAKING 3 sem. hrs.

Theory and practice in the selection and organization of materials, in the skillful use of language, and in the presentation of various types of speeches. (For Speech majors and minors and majors in Speech Correction. Exceptions made for students who anticipate becoming majors.)

### 114 VOICE AND ARTICULATION 3 sem. hrs.

Voice, speech sounds, and acceptable spoken language; practice in the use of acceptable spoken language.

### 125 ARGUMENTATION AND DEBATE 3 sem. hrs.

Theory and practice in the art of advocacy involving analysis, arrangement, and presentation of arguments for the purpose of decision-making and social control.

### 141 ORAL INTERPRETATION OF LITERATURE 3 sem. hrs.

Fundamental problems involved in getting meanings from the printed page and interpreting them to an audience by means of vocal and bodily expression. Practice in platform reading of prose and poetry. Prerequisite: Sophomore standing and Speech 110 or 114.

**202 EXTEMPORE SPEAKING 2 sem. hrs.**

Applied course in expository and persuasive speaking, intended for the student for whom Speech 110 has provided insufficient speaking skill. Students who have had Speech 321 may not take this course for credit. Prerequisite: Speech 110.

**210 PRINCIPLES OF PARLIAMENTARY PROCEDURE 1 sem. hr.**

Formal instruction in the history, principles, and methods of parliamentary procedure. Actual practice provided in handling parliamentary proceedings.

**223 DISCUSSION 3 sem. hrs. (Formerly 123)**

Theory and practice in reflective group discussion methods as a means of learning, understanding, and decision-making in a free society.

**234 LOGIC 3 sem. hrs.**

Reasoning in inquiry and persuasion, whether in practical matters or in the organized disciplines. A survey of the place of logic in human affairs; of linguistic analyses relevant to logic; of successful techniques in the deductive and empirical sciences; and briefly, of possibilities of further study of some untreated topics and unresolved issues in logic. Also offered as Philosophy 110.

**242 EXPERIENCING BOOKS THROUGH SPEECH ACTIVITIES 3 sem. hrs.**

Book-inspired activities for pupils in the elementary school designed to develop appreciation of literature through creative dramatics, story telling, choral reading, discussion, reporting, and reading aloud, with emphasis on observation and participation. Prerequisite: Speech 110. This course is also offered as Library 242.

**243 ORAL READING 3 sem. hrs.**

Improving the teacher's oral reading; principles, for teaching oral reading.

**250 THE ARTS AND MODERN MAN 2 sem. hrs.**

Selected works from music, theatre and the visual arts are studied as the aesthetic expressions of the concerns, the values and the aspirations of contemporary man. The significance of all the arts as creative forces in our society are discussed; and the symbol systems of the three arts are explained. Conducted by members of the Departments of Art, Music, and Speech.

**280 THE TEACHING OF SPEECH IN THE ELEMENTARY SCHOOL 3 sem. hrs.**

Theory and practice in the oral aspects of the language arts program designed to help teachers utilize the speech arts in the classroom. Includes structural observation and participation in the laboratory school. Prerequisite: Speech 110 or concurrent registration.

**281 PRINCIPLES OF SPEECH EDUCATION 3 sem. hrs.**

Philosophy of speech education, classroom speech, extra-class projects, textbook analysis, and professional associations.

**299 INDEPENDENT HONOR STUDY 1-6 sem. hrs.**

Intensive work in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report and/or examination. Open only to resident students who have achieved superior academic records and who have demonstrated ability to profit from independent study. A maximum of six hours of credit in independent study may be applied toward graduation. Prerequisite: Permission of the instructor, the Head of the Department, and the Dean of the Faculties.

**311 PHONETICS 3 sem. hrs.**

Sound system of American speech and its standard and sub-standard variations. Practice in transcribing and reading using phonetic symbols.

**321 SPEECH COMPOSITION 3 sem. hrs.**

Theory and practice in demonstrative, deliberative, and forensic address through a study of theories of style and historically significant models.

**324 THEORY AND RESEARCH IN PERSUASION 3 sem. hrs.**

A survey of the theoretical and experimental literature dealing with the question of how an individual's attitudes, beliefs, and social behavior may be affected by communication.

**328 AMERICAN PUBLIC ADDRESS 3 sem. hrs.**

History and criticism of public address in the United States with special attention to important issues and speakers.

**341 ADVANCED ORAL INTERPRETATION OF LITERATURE 3 sem. hrs.**

The oral study of selected types of literature with emphasis upon drama and poetry; projects in organizing materials; presentation of individual and multiple reading projects. Prerequisite: Speech 141.

**370 PSYCHOLINGUISTICS 3 sem. hrs.**

A survey of theories and experimental research relating to the development and functions of language within the individual, including contributions from the fields of speech, psychology, linguistics, and communication.

**381 PROBLEMS IN THE TEACHING OF SPEECH 2 sem. hrs.**

Present trends in the teaching of speech and an evaluation of current teaching materials.

**COURSES IN RADIO-TELEVISION-FILM****160 INTRODUCTION TO RADIO AND TELEVISION 3 sem. hrs.**

History, organization, and social impact of broadcasting, with additional emphasis on program evaluation and criticism.

**260 RADIO-TV ANNOUNCING 3 sem. hrs.**

A lecture and laboratory course devoted to principles and theory concerning the announcer's voice, style, and special skills or techniques as well as the regulation and codes affecting the announcer's responsibilities in radio and television. Prerequisite: Speech 160.

**262 RADIO PROGRAMING AND PRODUCTION 3 sem. hrs.**

Principles and theory of radio programing, production, and script preparation. Laboratory sessions will allow the students an opportunity to work with equipment in the radio studio and control room as they produce a variety of programs and to work on their on-the-air performance. Prerequisite: Speech 160.

**263 TELEVISION PROGRAMING AND PRODUCTION 3 sem. hrs.**

Principles and theory of television programing, production, and script preparation. Laboratory sessions will allow students an opportunity to work with equipment in the television studio and control room as they produce a variety of programs. Prerequisite: Speech 160.

**264 BROADCAST WRITING 3 sem. hrs.**

Analysis of and practice in writing for radio and television. Emphasis on differences in approach to sound and sight media, on specific techniques for the variety of daily broadcast writing tasks. Special emphasis on the broadcast documentary and other information forms. Prerequisite: Consent of instructor.

**265 BROADCAST NEWS 3 sem. hrs.**

Principles of gathering and writing news for broadcast with identification of the various news services and sources, the editing and preparation of the newscast, the programing of newscasts during the broadcast day, and the regulations and codes relative to broadcast news. Prerequisite: Speech 160 or consent of instructor.



**300 HISTORY OF THE MOTION PICTURE 3 sem. hrs.**

The development and appreciation of the motion picture from its beginning to the present, with emphasis upon social backgrounds and cultural-artistic values. Laboratory: screening of significant films from various periods and countries.

**360 MASS COMMUNICATION IN SOCIETY 3 sem. hrs.**

An explanation of the several media (press, radio, television, films) emphasizing their aesthetic and communicative possibilities, social responsibilities, structure, problems of regulation and management, and educational, entertainment, commercial content.

**361 THE REGULATION OF BROADCASTING 3 sem. hrs.**

A study of Federal and State legislation concerning communications media in relation to the codes of practice of broadcasters with emphasis on the rights, privileges and responsibilities—ethical as well as legal—of the radio-television industry. Prerequisite: Consent of instructor.

**362 INSTRUCTIONAL TELEVISION 3 sem. hrs.**

Television as a medium of instruction: history, forms, techniques, utilization, evaluation, function in education. Prerequisite: Consent of instructor.

**COURSES IN SPEECH PATHOLOGY-AUDIOLOGY****212 SPEECH CORRECTION FOR CLASSROOM TEACHERS 3 sem. hrs.**

Speech sounds and the mechanism used to produce them; the speech disorders of elementary school children and methods of re-education. A student may not have credit for this course if he has credit in Speech 215.

**215 INTRODUCTION TO SPEECH PATHOLOGY 3 sem. hrs.**

An introduction to the discipline of speech correction and to the principles which are basic to speech rehabilitation. The voice and articulation areas will be treated in depth. Persons who have credit for Speech 212 may not receive credit for this course.

**316 INTRODUCTION TO ORGANIC DISORDERS OF SPEECH 3 sem. hrs.**

Speech disorders related to structural, neurological, and endocrine pathologies. Emphasis on diagnostic and remedial procedures. Approximately 20 hours of clinical participation required. Prerequisite: Speech 212 or 215.

**317 SPEECH CLINIC 1-6 sem. hrs.**

Diagnostic tests and methods of speech correction applied to those enrolled in the Speech and Hearing Clinic. Students enrolling in this course should have the permission of the instructor. Prerequisite: Speech 212 or 215.

**318 ORGANIZATION OF THE SCHOOL SPEECH CORRECTION PROGRAM  
3 sem. hrs.**

Professional attitudes, ethics, and organizations. History and development of the program in the schools. Procedures for setting up and maintaining the program. Evaluation and therapy techniques and material applicable to the school setting. Relationship to school and community agencies.

**319 STUTTERING I 3 sem. hrs.**

Introductory course in stuttering including the nature and history of the disorder, current theories as to etiology, basic therapeutic techniques, and observations of therapy. Clinical procedure in speech stressed. Prerequisite: Speech 212 or 215, or consent of instructor.

**320 SPEECH AND LANGUAGE DEVELOPMENT 3 sem. hrs.**

A comprehensive study of the acquisition of speech and language by the child with major emphasis on the first six years.

**350 BASIC AUDIOLOGY 3 sem. hrs.**

Methods of screening hearing; basic equipment and methods for the measurement of various aspects of the hearing function; causes of hearing loss; interpretation of test results. Practicum will be required, consisting of approximately eight hours of participation in hearing surveys in public schools and activities of the Speech and Hearing Clinic, in addition to independent practice and testing. Not open to students who have taken Speech 350, Audiometry and Hearing Aid Selection, or Speech 356, Conservation of Hearing.

**351 SPEECH READING AND AUDITORY TRAINING 3 sem. hrs.**

Principles and practices of speech reading and auditory training. Survey of traditional methods. Communication disorders arising from hearing impairment; the visual and auditory speech stimuli. The operation and use of hearing aids and auditory training equipment. Five hours of participation outside of class time required.

**352 PROFESSIONAL PRACTICE IN SPEECH READING AND AUDITORY TRAINING 1-3 sem. hrs.**

Practice in providing speech reading training and auditory training for children and adults in group and individual situations. Consideration of instructional materials, equipment, and special problems of habilitation and rehabilitation for the hearing impaired. Prerequisite: Speech 351.

**358 PRACTICUM IN BASIC AUDIOLOGY 1-3 sem. hrs.**

Supervised clinical practice in basic procedures used in audiology. For each semester hour of credit, at least 45 clock hours of practice will be required. Prerequisite: Consent of Instructor.

**371 SPEECH SCIENCE 2-3 sem. hrs.**

Principles of physics involved in the production and reception of spoken language.

**372 ANATOMY AND PHYSIOLOGY OF THE SPEECH AND HEARING MECHANISM 3 sem. hrs.**

The mechanism used in producing and receiving speech; the function of a normal mechanism and the effect that deviations from this may have on the end product. Prerequisite: Biological Sciences 181.

**COURSES IN THEATRE****111 BASIC PRINCIPLES OF THEATRE 3 sem. hrs.**

Basic understanding and application of aesthetic and dramatic principles which must be used in the analysis of plays by the director, actor, designer, technician, costumer in designing and producing a play if it is to be artistically interpreted for an audience.

**130 INTRODUCTION TO THE THEATRE 3 sem. hrs.**

A study of the contemporary theatre, the arts which it involves, and the backgrounds from which it developed. May not be used for a first or second field in Speech.

**132 BASIC ACTING 1 sem. hr.**

A lecture-discussion-participation-critique course designed to teach the basic attitudes necessary for the actor-in-training. Students may repeat this course for a maximum of four semester hours of credit.

**135 DRAMATIC PRODUCTION I 3 sem. hrs.**

Basic understanding and application of the principles and skills which must be used in the design and execution of scenery, properties, lighting, sound, costuming, and makeup for the theatre. Laboratory to be arranged.

**136 DRAMATIC PRODUCTION II 3 sem. hrs.**

Advanced treatment of the principles and skills which must be used in the design and execution of scenery, properties, lighting, sound, costuming, and makeup for the theatre. Laboratory to be arranged. Prerequisite: Speech 135.

**225 STAGE MAKEUP 2 sem. hrs.**

A lecture-laboratory course designed to help students to become proficient in the art of making up themselves and others for the stage. Prerequisite: Speech 111 or consent of instructor.

**230 ADVANCED ACTING 1 sem. hr.**

A lecture-discussion-participation-critique course designed to help the student find his particular acting problems, accept them and develop techniques for solving them. Students may repeat this course for a maximum of four semester hours of credit. Prerequisite: Speech 132 for four semester hours, or consent of instructor.

**231 STAGE DESIGN AND LIGHTING 3 sem. hrs.**

Nature, function, and aesthetics of scene design and lighting for the stage, with practice in composition. Laboratory to be arranged with instructor.

**232 CREATIVE DRAMA 3 sem. hrs.**

The creative approach to activities in the classroom. Creative teaching is emphasized through the understanding of dramatic techniques and methods. Observations and special projects required.

**233 THEATRE FOR THE CHILD AUDIENCE 3 sem. hrs.**

Studies in the selection and analysis of scripts; problems of directing and acting; special problems of productions. Laboratory and experimental work, including an actual production for children.

**237 PLAY DIRECTING 2 sem. hrs.**

Selection of plays, casting, and rehearsal techniques. Studies in stage composition, picturization, characterization, and movement. Students direct scenes from various plays in class. Students may repeat this course for a maximum of six semester hours of credit. Prerequisites: Speech 111 and 135.

**239 DRAMATIC WORKSHOP 3 sem. hrs.**

For students who need preparation and experience in one or more areas of the theatre arts. Participation in the production aspects of one-act or longer plays; laboratory arranged.

**330 ADVANCED STAGE LIGHTING 3 sem. hrs.**

The study of lighting design for complex proscenium production, and the various nonproscenium stages found in Educational Theatre with attention to system design. Prerequisite: Speech 135 and 136 and consent of instructor.

**333 MODERN DRAMA 3 sem. hrs.**

Trends in dramatic literature and theatrical productions from Ibsen to the present day. Reading reports and discussion of the plays of the leading dramatists of Europe, Great Britain, and America.

**334 HISTORY AND STYLES OF STAGE COSTUMING 3 sem. hrs.**

Concentrated history of costumes from the ancient Egyptian period to the present time. Emphasis on the costume's reflection of cultural and social milieu. Consideration of the costume's practical application to the stage. Laboratory to be arranged with instructor. Prerequisite: Speech 135.

**335 HISTORY OF THE THEATRE 3 sem. hrs.**

Background for the study and production of plays including the reading of great plays of different historical periods, a study of the manner in which they were produced, and their relation to the cultural life of the time.



**336 PROBLEMS IN ACTING 3 sem. hrs.**

Introduction to and practice in the various advanced styles of acting prevalent in the more important periods of theatrical history and native to specific forms of comic and serious drama. Laboratory to be arranged with instructor. Prerequisite: Speech 132.

**337 PROBLEMS IN DIRECTING 3 sem. hrs.**

Theories and techniques of directing plays of differing forms, styles, and historical periods. Concentration on various aesthetic principles involved in directing in different types of theatres. Laboratory to be arranged with instructor. Prerequisite: Speech 237.

**340 ADVANCED SCENE DESIGN 3 sem. hrs.**

Intensive work in the area of design and rendering for the stage, with emphasis upon new materials and techniques. Prerequisite: Speech 231.

**345 DEVELOPMENT OF MODERN THEATRE 3 sem. hrs.**

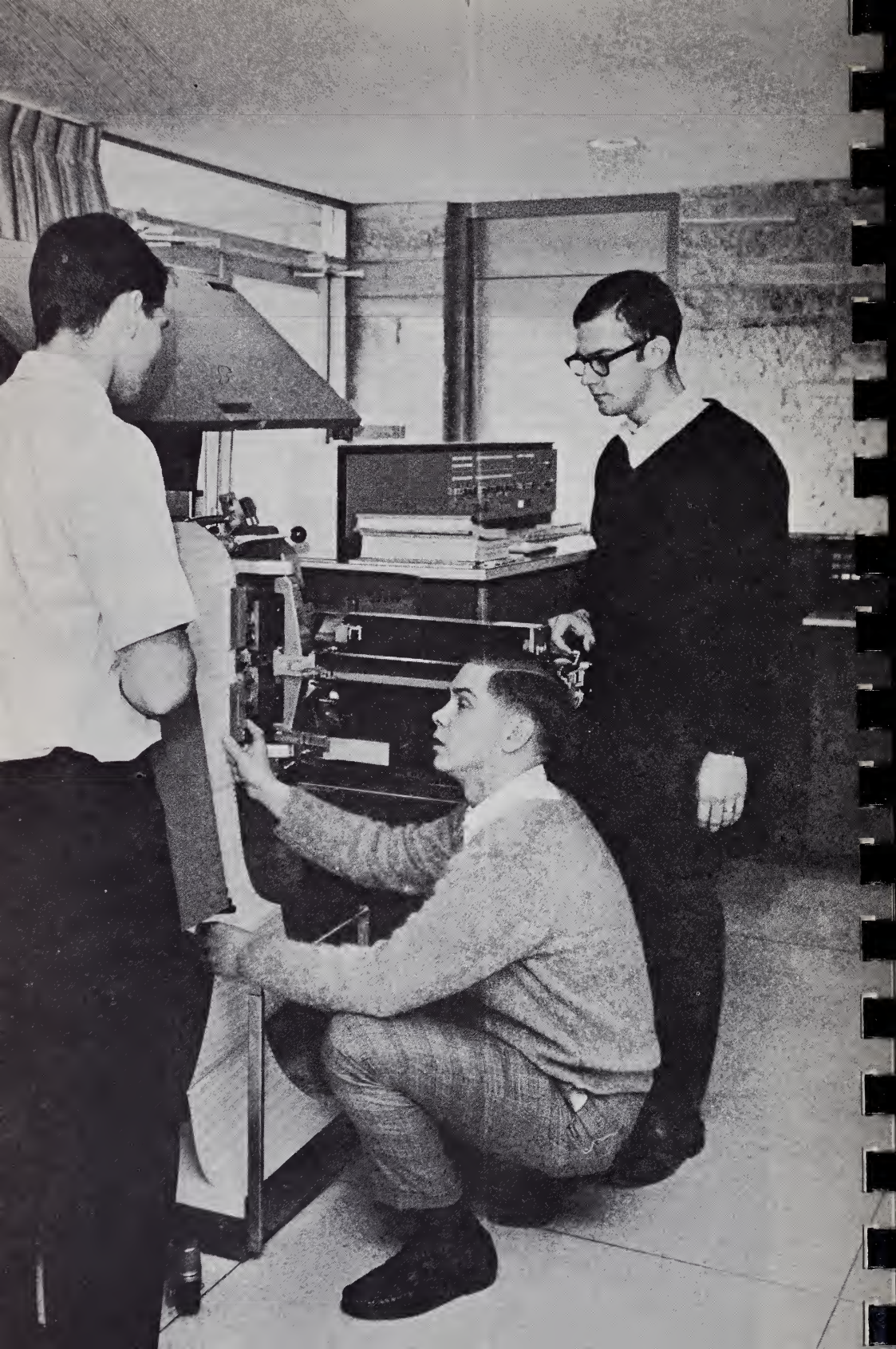
Developments in stagecraft, directing, acting, and theatrical theory from the late nineteenth century to the present.

**348 PLAYWRITING 3 sem. hrs.**

Playwriting techniques of selected masters of dramaturgy, with practical application of the techniques of the writing of original plays. Both literary and professional aspects of writing for the theatre will be considered. When possible, opportunity will be provided for laboratory production of original scripts of quality in University theatre-workshop projects. This course is also offered as English 348.







# *College of Business*

## *Departments:*

*Accounting*

*Business Administration*

*Business Education*

The College of Business was established with a twofold purpose: (1) to serve the needs of undergraduate and graduate students seeking preparation for professional and managerial positions in business administration and in accounting, and (2) to continue the curriculums for the preparation of professional educators for the public and private high schools, community colleges, vocational schools, colleges, and universities.



# Accounting

*Head of the Department:* Raymond W. Esworthy, Office: Turner Hall 210-C.

## COMPREHENSIVE MAJOR IN ACCOUNTING

Courses in Business must total 50 hours. The following specific Business courses, totaling 45 hours, are required: Accounting 131, 132, 231, 232, 233, 360, and 361; and 9 hours chosen from Accounting 330, 331, 333, and 335; Business Administration 141, 142, 253, and 356; Business Education 111. Business electives, 5 hours, must be selected from Business Administration courses at the 200-level or higher. Guided electives include Economics 101, Mathematics 250, and others totaling 20 hours.

## MINOR IN ACCOUNTING

Courses in Accounting must total 21 semester hours. The following specific courses are required: Accounting 131, 132, 231, 232, plus 9 hours in other courses in Accounting. Business Data Processing 360 and Business Systems Analysis for Computer Programing 361 are considered as Accounting courses.

## COURSES IN ACCOUNTING

### 131 ACCOUNTING 3 sem. hrs.

Business records in single proprietorship and in partnership. Covers operating statements and balance sheets with particular attention to the forms and the sources of the facts in the statements. Includes practice with controlling accounts, columnar journals, adjusting and closing books, and the work sheet.

### 132 ACCOUNTING 3 sem. hrs.

Corporation accounting including consideration of cost accounting elements and the preparation of manufacturing statements. Interpretation of simple financial statements. Problem material is used to give the student sufficient opportunity for practice in accounting usage. Prerequisite: Accounting 131.

### 231 ACCOUNTING 3 sem. hrs.

Relationship of accounting to business management; internal control procedures; transaction analysis pertaining to the acquisition of assets and services, income, corporate capital; analysis of financial statements. Prerequisite: Accounting 132.

### 232 ACCOUNTING 3 sem. hrs.

Organizational accounting; insurable business risks; consolidated statements; special purpose procedures and statements related to disinvestment, reorganization, and liquidation. Prerequisite: Accounting 231.

### 233 ADVANCED ACCOUNTING 3 sem. hrs.

Use of the problem technique to explore advanced accounting concepts and principles related to consolidated statements, foreign exchange, business combinations, reorganization and liquidation, and actuarial science. Prerequisite: Accounting 232.

### 330 GOVERNMENTAL ACCOUNTING 3 sem. hrs.

Procedures, accounts, and reports of governmental agencies; the solution of problems embracing the practical application of fund accounting and the interpretation of financial reports of various government units. Prerequisite: 5 semester hours of accounting.

**331 COST ACCOUNTING 3 sem. hrs.**

Elements of production costs, including materials, labor and overhead or burden; the job-cost, the process-cost, and the standard-cost systems; the solution of problems embracing the practical application of costing methods, formulas, and standard costs. Prerequisite: 9 semester hours of accounting or consent of department head.

**332 ADVANCED COST ACCOUNTING 2 sem. hrs.**

Consideration of current accounting problems involving cost-volume-profit analysis, capital budgeting, relevant costs, and other advanced cost accounting topics related to management decisions. Prerequisite: Accounting 331.

**333 INCOME TAX PROCEDURE 3 sem. hrs.**

Federal income tax provisions affecting individuals and business enterprises, and problems involved in tax computations. Prerequisite: 6 semester hours of accounting.

**334 ADVANCED TAX PROBLEMS 3 sem. hrs.**

Intensive examination of federal taxation procedures affecting corporations, partnerships, estates and trusts. Examination of gift and social security taxes. Prerequisite: Accounting 333 or consent of department head.

**335 AUDITING 3 sem. hrs.**

Nature of audit evidence, basic audit techniques, audit practices and procedures, professional ethics, audit reports. Prerequisite: 12 hours of accounting.

**360 BUSINESS DATA PROCESSING 3 sem. hrs.**

Business data processing involving the fundamental characteristics of mechanical and electronic systems and their application to business. Prerequisite: 6 semester hours of accounting or consent of department head.

**361 BUSINESS SYSTEMS ANALYSIS FOR COMPUTER PROGRAMING  
3 sem. hrs.**

Systems planning, coding, and programing for the digital computer as used in business for data processing. Includes instruction and laboratory work on the IBM 360 Data Processing System, and some instruction on other types of computers. Symbolic languages will be used for the programing of common data processing applications such as: payroll, inventory control, expense analysis, and financial statements. Prerequisite: Accounting 360 or consent of department head.



## *Business Administration*

*Acting Head of the Department:* H. Earle Reese. *Office:* Turner Hall 210-D.

### **COMPREHENSIVE MAJOR IN BUSINESS ADMINISTRATION**

Courses in the College of Business must total 50 hours. The following specific Business courses, totaling 30 hours, are required: Accounting 131, 132, and 350; Business Administration 141, 142, 252, 253, 255, and 356; Business Education 111. Business electives of 20 hours are to be selected from Accounting and Business Administration courses only. Other required courses are: Economics 100 and 101; Mathematics 250 or Business Administration 270.

### **MINOR IN BUSINESS ADMINISTRATION**

Courses in the College of Business must total 20 hours. The following specific courses are required: Accounting 131, 132; Business Administration 252, 253, 254 or 256, and 255 or 356; Business Education 111.

### **COURSES IN BUSINESS ADMINISTRATION**

#### **141 BUSINESS LAW 3 sem. hrs.**

Law and its administration, contracts, agency, negotiable instruments, labor legislation, insurance, and suretyship. Case materials are used to develop an understanding of legal principles.

#### **142 BUSINESS LAW 3 sem. hrs.**

Bailment, common carriers, sales, partnerships, corporations, property, bankruptcy, torts, and business crimes. Problems and case materials are included. Prerequisite: Business Administration 141.

#### **252 ECONOMICS OF BUSINESS 3 sem. hrs.**

Adjusting economic theory to intelligent business administration. Case-method approach is used. Profits and risk, demand and supply, business cycles and public policy are considered as factors influencing the decisions of management.

#### **253 BUSINESS ORGANIZATION AND MANAGEMENT 3 sem. hrs.**

Evaluation of different types of business organizations, methods of creation, and internal operating policies. Plant facilities, location, production, traffic problems, credit, human relations, control, purchases, and sales are given special consideration. Prerequisite: Economics 101 or Business Administration 252.

#### **254 SALESMANSHIP 2 sem. hrs.**

Practical problems of distribution of goods and consumer demand. Fundamentals essential for effective selling. Some selling practice is included.

#### **255 MARKETING 3 sem. hrs.**

Functions, processes, agencies, and personnel involved in the marketing of goods and services of all major types, with emphasis on the distribution of consumer goods. Prerequisite: Economics 101 or Business Administration 252.

#### **256 ADVERTISING 2 sem. hrs.**

Discussion of principles and applications of advertising from a management point of view. Practice in planning an advertising campaign making use of various media.



**270 BUSINESS AND ECONOMICS STATISTICS 3 sem. hrs.**

An introduction to statistical concepts and methods as utilized in typical business situations. Also offered as Economics 231. Prerequisite: Mathematics 107 or equivalent.

**299 INDEPENDENT HONOR STUDY 1-6 sem. hrs.**

Intensive work in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report and/or examination. Open only to resident students who have achieved superior academic records and who have demonstrated ability to profit from independent study. A maximum of six hours of credit in independent study may be applied toward graduation. Prerequisite: Permission of the instructor, the Head of the Department, and the Dean of the Faculties.

**311 FUNDAMENTALS OF LIFE AND HEALTH INSURANCE 3 sem. hrs.**

General consideration of personal and business risks. Principles of life and health insurance and their applications. Prerequisite: Business Administration 141 or consent of instructor.

**312 FUNDAMENTALS OF PROPERTY AND LIABILITY INSURANCE 3 sem. hrs.**

Principles of property insurance with fundamental application to individuals, business enterprises, and governmental institutions. General consideration of risk in the fire, marine, bond, and casualty areas. Prerequisite: Business Administration 141 or consent of head of department.

**340 PRODUCTION MANAGEMENT 3 sem. hrs.**

Principles and techniques of management as they apply specifically to the production of physical goods. Consideration is given to production planning and control, methods analysis and work measurement, inventory control, quality control, and plant location and layout. Prerequisite: Business Administration 253 and 270 (or Mathematics 250), or consent of head of department.

**346 INVESTMENTS 3 sem. hrs.**

Introduction to the appraisal of securities and the management of investment funds, essentially from the viewpoint of the individual investor. Stresses principles of value determination and risks association with various types of securities, including bonds, preferred stocks, and common stocks and their use in portfolios. Coverage includes government securities, industrials, utilities, and financial institutions.

**356 BUSINESS FINANCE 3 sem. hrs.**

Problems and methods of financing business, function of banking, business risks as an influence on financial management, and interpretation of the security markets. Prerequisite: Economics 101 or Business Administration 252.

**357 RETAILING 2 sem. hrs.**

Organization and operation of retail stores and service establishments of various types with some consideration of the application of the content to distributive education and general business subjects of the high school. Whenever feasible, the local business community will be used as a laboratory for the observation and analysis of retailing practice. Prerequisite: Economics 101 or Business Administration 252.

**358 MARKETING MANAGEMENT 3 sem. hrs.**

The development and evaluation of the marketing plan. Emphasis on the role of the marketing executives in the integration and synthesis of the marketing processes used to increase the profitability of manufacturers and distributors of consumer and industrial goods. Includes the analysis of actual and hypothetical cases. Prerequisite: Business Administration 255.

**359 MARKETING RESEARCH 3 sem. hrs.**

The nature and scope of marketing research. Research design, specific marketing research procedures, and the research report. A marketing research project will be conducted. Prerequisite: Business Administration 255.

## *Business Education*

*Head of Department:* Warren S. Perry. *Office:* Turner Hall 210-K.

### TEACHING FIELDS

#### MAJOR IN SECRETARIAL EDUCATION

Courses in the College of Business must total 37 semester hours. The following specific courses are required: Accounting 131, 132; Business Education 111, 112\*, 113\*, 114, 115, 122\*, 123\*, 124\*, 211, 261, 262; and Economics 100.

#### MAJOR IN GENERAL BUSINESS

Courses in the College of Business must total 37 hours. The following specific courses are required: Accounting 131, 132, 231, 232; Business Administration 141, 142, 252; Business Education 111, 112\*, 113\*, or 113 and 114 or 211, 117, 261. In addition to the 37 hours, Economics 100 is required.

#### MAJOR IN DISTRIBUTIVE EDUCATION

Courses in the College of Business must total 37 hours. The following specific courses are required: Accounting 131, 132; Business Administration 141, 252, 254, 255, 256, 357; Business Education 117, 261, 380, 381.

#### COMPREHENSIVE MAJOR IN BUSINESS EDUCATION

Courses in the College of Business must total 50 semester hours. The following specific courses are required: Accounting 131, 132, 231; Business Administration 141, 142, 252; Business Education 111, 112\* and 113\*, or 114, 115, 117, 122\*, 123\*, 124, 211, 261, 262; at least three additional semester hours in courses numbered 200 or more. Economics 101 may be used toward this field. In addition to the 50 semester hours, Economics 100 is required.

#### MINOR IN SECRETARIAL EDUCATION

Courses in the College of Business must total 20 semester hours. The following specific courses are required: Business Education 112\*, 113\*, 114, 122\*, 123\*, 124, 211.

#### MINOR IN ACCOUNTING AND LAW

Courses in the College of Business must total 21 semester hours. The following specific courses are required: Accounting 131, 132, 231, 232 or Business Administration 252; Business Administration 141, 142; Business Education 117.

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\*Students who have had some training in typewriting and shorthand in high school or private school may be excused, upon consultation with the Head of the Department, from one or more of the following courses: 112, 113, 122, and 123. The minimum requirement for teaching shorthand or typewriting is six semester hours in the subject and twenty semester hours in the field.

## MINOR IN GENERAL BUSINESS

Courses in the College of Business must total 20 semester hours. The following specific courses are required: Accounting 131, 132; Business Administration 252, 253, 254 or 256, 255 or 356; Business Education 111.

## MINOR IN DISTRIBUTIVE EDUCATION

Courses in the College of Business must total 24 semester hours. The following specific courses are required: Accounting 131, 132; Business Administration 141, 252, 254, 255, 256, 357; Business Education 117.

Geography 130, Economic Geography, may be used in a major, comprehensive major, or minor in Business Education.

## COURSES IN BUSINESS EDUCATION

### 111 INTRODUCTION TO BUSINESS 3 sem. hrs.

Basic fundamentals of business operation such as borrowing, lending, elementary contract making, business ethics, buying and selling practice, planning and budgeting, and an approach to the mathematics of business activities.

### 112 TYPEWRITING 2 sem. hrs.

An introductory course including the presentation of the keyboard and the development of basic skills in rapid and accurate operation of the typewriter. Proficiency in the production of letters, tables, manuscripts, and business forms. Demonstration of methods of teaching introductory typewriting.

### 113 TYPEWRITING 3 sem. hrs.

Intensive building of typewriting speed and accuracy. Emphasis on development of speed and control in production typewriting. Development of skill in all phases of typewriting manipulation. Thorough knowledge of all styles of correspondence, manuscripts, business forms, tabulations, etc. Instructional methods are included. Prerequisite: Business Education 112 or one year of high school typewriting.

### 114 TYPEWRITING 3 sem. hrs.

Skill in setting up all forms of letters, in typing legal and business documents, in tabulation, and in cutting stencils is required. At the end of the course the student must submit three ten-minute tests with a net rate of at least fifty words per minute. Prerequisite: Business Education 113 or two years of high-school typing.

### 115 BUSINESS COMMUNICATIONS 2 sem. hrs.

Fundamental principles that govern the several kinds of business letters and practical methods of writing the types which arise from the more typical business situations. Composition of the common types of business reports.

### 117 BUSINESS MATHEMATICS 3 sem. hrs.

Background course in business education providing training for those preparing to teach business arithmetic in high schools. Problem material, fundamental business calculations, financial statements and analysis, and the mathematics of merchandising.

### 122 SHORTHAND 3 sem. hrs.

Learning and applying principles of Gregg shorthand. Developing skill achieved through reading, drills, and dictation. Extensive use of the stenographic laboratory for writing shorthand from dictation tapes. Prerequisite: Typewriting 112 or a course in typewriting taken in high school or college.



**123 SHORTHAND 3 sem. hrs.**

Continued development of skills in writing, reading, and vocabulary building. Introduction to transcription. Stenographic laboratory work required. Dictation requirements: 80 to 110 words a minute for three minutes. Prerequisite: Business Education 122 or one year of high school shorthand.

**124 SHORTHAND 3 sem. hrs.**

Dictation and transcription course with emphasis on letter set-up, principles of English mechanics, and development of transcribing ability. Stenographic laboratory work required. Dictation requirements: 100 to 130 words a minute for three minutes. Prerequisite: Business Education 123 or two years of high school shorthand.

**211 OFFICE PRACTICE 3 sem. hrs.**

Practice in assuming various office duties, in supervising office routine, in securing a measure of skill on the various office machines, and in working projects that can be used for the teaching of advanced typewriting and office practice courses in the high school. This course counts as credit in typewriting. Prerequisite: Business Education 113 or 114.

**261 PRINCIPLES OF BUSINESS EDUCATION 2 sem. hrs.**

Stimulation of professional interest in the entire field of business education through a consideration of such topics as: purposes of business education, outstanding research and literature in the field, construction of the business curriculum, surveys of the local business community and of present and former pupils, cooperative part-time training for office and distributive occupations, and guidance responsibilities of business teachers.

**262 TEACHING SECRETARIAL SUBJECTS 2 sem. hrs.**

Teaching typewriting, shorthand, transcription, clerical office practice and secretarial office practice. Course of study planning, unit planning and lesson planning for these skill-development courses. Demonstration of the key lessons in each subject. The purpose and use of the major types of drills for group and individual instruction. Effective use of multiple channel tape recording systems and other audio-visual devices for each of the secretarial skill subjects. Prerequisites: Business Education 113 and 123.

**299 INDEPENDENT HONOR STUDY 1-6 sem. hrs.**

Intensive work in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report and/or examination. Open only to resident students who have achieved superior academic records and who have demonstrated ability to profit from independent study. A maximum of six hours of credit in independent study may be applied toward graduation. Prerequisite: Permission of the instructor, the head of the department, and the Dean of the Faculties.

**320 PRACTICUM IN OFFICE MACHINES INSTRUCTION 2-3 sem. hrs.**

Designed to serve as a professional education course for vocational teachers of office education programs (as described in Illinois State Plan for Vocational Education, Bulletin 182—Series B, Revised). Emphasis will be on recognition of the new ideas and clarification of the "how" and "why" of office machines, and on the application of demonstration teaching techniques and laboratory supervision. Prerequisite: Business Education 211.

**321 PRACTICUM IN DATA PROCESSING INSTRUCTION 2-3 sem. hrs.**

Designed to apply to the professional education needed for vocational teachers of "in-school" clerical programs, and to provide instruction and practice in teaching methodology to teachers of office practice, clerical practice, office machines, and business data processing. Emphasis will be on systems analysis and on the recognition of new developments in business data processing. Prerequisite: Business Data Processing Accounting 360, and consent of department head.

**380 ORGANIZATION AND ADMINISTRATION OF COOPERATIVE  
VOCATIONAL AND DISTRIBUTIVE EDUCATION PROGRAMS 4 sem. hrs.**

Provides the background education and the teaching techniques needed for the organization and administration of vocational office and distributive education in the cooperative part-time program involving coordinated work experience. Includes some discussion of in-school programs of distributive education. Prerequisite: Consent of department head.

**381 DIRECTED OCCUPATIONAL EXPERIENCE FOR OFFICE  
AND DISTRIBUTIVE EDUCATION 4 sem. hrs.**

One of the professional courses required by the Illinois Plan for Vocational Education as a part of the education of a teacher-coordinator of office of distributive education. It will also serve as six months credit in occupational experiences for in-school teachers of vocational office or distributive education according to this state plan. Coincident with the course work, a student must execute a plan for the simultaneous acquisition of approved on-the-job experiences. Usually the course will be offered during the eight-week summer session. The actual time schedule for the class sessions and consultations with the instructor will vary with the types of jobs and the job locations of the students.









# *College of Education*

## *Departments:*

*Education*

*Educational Administration*

*Elementary Education*

*Laboratory Schools*

*Metcalf Elementary  
School*

*University High  
School*

*Professional Laboratory  
Experiences*

*Special Education*

The College of Education has seven departments: Education, Educational Administration, Elementary Education, Metcalf Elementary School, Professional Laboratory Experiences, Special Education, and University High School. Undergraduate student majors or teaching fields are offered in the Departments of Education, Elementary Education and Special Education. The Department of Education offers professional preparation for junior high school teachers. In Elementary Education students may concentrate in any one of three levels of specialization: kindergarten-primary, intermediate, or upper grades. In addition, elementary education students may elect to develop a resource area allowing concentrated study in a given field. The Department of Special Education has undergraduate programs in the following areas of specialization: Deaf and Hard of Hearing, Maladjusted, Mentally Retarded (Educable), Mentally Retarded (Trainable), Physically Handicapped, Speech Correction, Partially Seeing, and Blind.

Service courses in professional education are offered all prospective secondary school teachers in the Department of Education. Student teaching and other observation-participation experiences related to teaching are organized or coordinated through the Department of Professional Laboratory Experiences. The two laboratory schools, Metcalf and University High, offer opportunities for direct observation of on-going school practices along with resources for experimentation in curriculum and teacher education. Programs of the Department of Educational Administration are on the graduate level.

# *Professional Requirements for Students in Teacher Education Programs*

Each student in teacher education must complete one of the following sequences according to his curriculum. Except for courses in Psychology, these courses are offered by the departments in the College of Education.

<b>Elementary School</b>		Sem. Hrs.	<b>Junior High School</b>		Sem. Hrs.
Foundations of Elementary Education 101.....	3		Child Growth & Development 102....	3	
Child Growth & Development 102....	3		Reading Methods 103.....	3	
Reading Methods 103.....	3		Developmental Psychology II 302....	3	
Elementary Curriculum 202, 203, 204.	4		American Public Education 215.....	2	
Senior Seminar in Elementary Education 205.....	3		Upper Grade—Junior-High Education 204.....	4	
Intro. to Philosophy of Education 231.	3		Intro. to Philosophy of Education 231.	3	
Student Teaching 399.....	8		Student Teaching 399.....	8	
			Education or Psychology Elective.....	2	
Total required.....	27		Total required.....	28	
<b>High School</b>		Sem. Hrs.	<b>Special Education</b>		Sem. Hrs.
Educational Psychology 115.....	3		Intro. to Special Education 145.....	3	
American Public Education 215.....	2		Child Growth & Development 102....	3	
Secondary Education 216.....	4		Reading Methods 103.....	3	
Secondary-School Reading 218.....	2		*Elementary Curriculum 202, 203, 204	4	
Intro. to Philosophy of Education 231.	3		Psychology of Adjustment 232.....	3	
Student Teaching 399.....	10		Psychological Measurement 334.....	3	
			Psych. of Exceptional Children 346....	2	
Total required.....	24		Senior Seminar in Elementary Education 205.....	3	
			Intro. to Philosophy of Education 231.	3	
			Student Teaching 399.....	8	
			Total required.....	35	

\*Not required for Speech Correction since students in this program do not qualify for regular elementary school certification.

## *Professional Laboratory Experiences in Teacher Education*

The program of professional laboratory experiences at Illinois State University includes experiences such as observation, participation, studies of individual pupils, and research, as well as student teaching both on and off the campus. Although professional laboratory experiences are, for the most part, undergraduate activities, some are provided at the graduate level.

### **EXPERIENCES PRIOR TO AND FOLLOWING STUDENT TEACHING**

Professional laboratory experiences in which the students engage prior to student teaching are usually integral parts of specific college courses. Some laboratory experiences are provided in the local schools as well as in the two campus laboratory schools: Metcalf Elementary School and University High School.

Professional laboratory experiences following student teaching include activities in which the student desires to do additional study or to have additional experiences as recommended by his instructors, supervising teacher, or college supervisor.

### **STUDENT TEACHING**

#### **Requirements for Student Teaching**

The following requirements for student teaching (Education 399) apply whether the student teaching is done during the regular school year or during the summer session and whether it is done on or off the campus.

The minimum requirement in student teaching is 36 clock hours for each semester hour of credit (5 semester hours — 180 clock hours). A minimum of 200 clock hours of clinical work is required in Speech Correction.

The number of semester hours of student teaching required for graduation varies with the student's curriculum. A student enrolled in the elementary, junior high school, or the special education curriculum is required to earn a minimum of eight semester hours of credit in student teaching. A student enrolled in a high school curriculum is required to earn a minimum of ten semester hours of credit in student teaching and special methods. Under certain circumstances a student may do all of his student teaching in his major field. To do this, he must meet all eligibility requirements for student teaching in both his major and minor teaching fields, and he may not reduce the total number of semester hours required in student teaching.

To be eligible to do student teaching, a student must meet the following requirements:

1. He must have completed one semester's work in residence (or its equivalent) at Illinois State University, except in Special Education for which a minimum of eight semester hours of work in residence is required.
2. He must have earned at least 90 semester hours of college credit.



3. He must have satisfactorily completed the courses which precede student teaching.
4. He must have earned at least twice as many grade points as semester hours
  - (a) In all work taken at Illinois State University and
  - (b) In all work taken at Illinois State University in his major and minor teaching fields.
5. He must secure a statement from the University Health Service indicating that he is physically capable of meeting requirements of a regularly certified teacher.
6. He must be in good mental health to be admitted to student teaching and to complete his student-teaching assignment.
7. He must have met all speech usage requirements as determined by the Department of Speech.
8. He must have filed an application for student teaching with the Department of Professional Laboratory Experiences at least eight calendar months prior to the semester or summer session in which he plans to do his student teaching.
9. He must be a student in good standing. A student on probation is not eligible for student teaching.

In addition, the University may require a student teacher to demonstrate proficiency in other specified areas.

### Assignment to Student Teaching

The University may assign student teachers to the campus laboratory schools or to selected off-campus schools in Illinois during regular semesters and summer sessions. Ordinarily, preference for summer assignments is given to those students who are to graduate at the close of the summer sessions. However, a student may find it impossible to secure a full assignment during any one summer because the number of requests may exceed available facilities either on or off the campus.

Student teachers are assigned only to classrooms that have regularly employed full-time teachers. Assignments are not made to a school in which the student teacher is concurrently employed as a teacher. A student teacher may not earn academic credit and receive a salary or an income for the same teaching experience.

The usual pattern for student teaching is to assign a student to a school for a period of nine weeks during which time he does full-time student teaching. During this period in the school, he works with one or two supervising teachers who are responsible for teaching a specific group or groups of pupils. These supervising teachers have primary responsibility for guiding and evaluating the work of the student teacher. During this student-teaching experience, the student becomes a member of the school staff and of the community in which he is working; consequently, in addition to his teaching he also takes part in co-curricular activities and community affairs.

Before he can be assigned to student teaching either on or off campus, a student must have the approval of the head of the department in which he plans to do his student teaching.

The Head of the Department of Professional Laboratory Experiences, in cooperation with the head of the student's major department, makes the student teaching assignments. The Head of the Department of Professional Laboratory Experiences is responsible for making the arrangements and establishing the procedures involved in student teaching.

Although a student's preference for an on-campus or an off-campus assignment will be given consideration, the University will make the final decision regarding the schools and the location. Generally, students are not assigned to schools which are in their home communities or in communities in which they are currently residing.

A student who is pregnant will be assigned to student teaching only if the birth is expected to take place no earlier than two months after the completion of the student teaching assignment. The Head of the Department of Professional Laboratory Experiences will make the student teaching assignment after receiving a statement from the University physician.

Students who have had teaching experience and who have shown a high standard of achievement in previous teaching may be given special student teaching assignments involving remedial instruction or other specialized phases of teaching which will broaden their preparation.

The Head of the Department of Professional Laboratory Experiences, upon the recommendation of the college supervisor, supervising teacher, or head of the student's major department, may require a student to do additional work and continue his student teaching until he is sufficiently competent to be recommended for certification.

Student teaching assignments begin and end on the dates indicated in the student's official notice. Student teaching assignments will not extend beyond the last day final examinations are held at the end of the semester or summer session. Any changes in the beginning or ending dates of an assignment may not be made except with permission of the Head of the Department of Professional Laboratory Experiences.



*Preparation of Teachers*

*FOR ELEMENTARY SCHOOLS, JUNIOR HIGH SCHOOLS  
AND FOR SPECIAL EDUCATION*

In addition to general education and professional education, a student is required to complete requirements for one of the following fields:

- Elementary School Teaching, see pages 188-190.
- Junior High School Teaching, see page 191.
- Special Education — one of eight areas, see pages 191-194.

**PREPARATION FOR ELEMENTARY SCHOOL TEACHING**

**General Requirements and Recommendations**

A student should choose to emphasize one of the following levels of concentration: kindergarten-primary (K-3), intermediate (4-6), or upper grade (7-8) preparation.

Opportunity is available within the student's program to extend understandings and knowledges in various academic disciplines as well as specialized professional courses. Concentration of work in a given field of study is also available for those who wish it.

Each student upon admission to the department will be assigned a departmental program adviser. The task of student and adviser is that of developing a four-year plan of study attempting to determine the candidate's strengths and weaknesses in order that the best possible program may be provided for each individual. Students should, therefore, select electives in consultation with their departmental advisers.

**Requirements For Kindergarten-Primary Preparation**

	Sem. Hrs.
Art 101 and 102, Art Activities for Elementary Schools.....	5
English 170, Literature for the Elementary School.....	3
English 271, Literature for Lower Grades.....	3
Geography 135, World Regional Geography.....	3
Health and Physical Education 222, Physical Education for Lower Grades	2
Mathematics 101, Basic Concepts of Elementary Mathematics.....	3
Mathematics 201, Mathematics for the Elementary School.....	2
Music Elective (170, 171, 121, 122, or Applied Music).....	2
Music 277, Music Education for the Elementary Grades.....	3
Natural Sciences (Biology, Chemistry, Geography, or Physics) Electives	5
Speech Elective (141, 212, 232, or 242).....	3
Electives .....	15
Total .....	49



**Elective Guidelines**

The following is a suggested list of electives for students concentrating in kindergarten-primary instruction.

Art 116, 126, 140, 201, 202.  
 Biology 202, 203, 303.  
 Chemistry or Physics 205.  
 Education 240, 293, 307, 331, 348, 387, 393.  
 English 273, 290, 370, 372.  
 Geography 130, 205.  
 Health and Physical Education 160, 162, 172, 174, 180.  
 Home Economics 106, 130, 231.  
 Industrial Technology 128.  
 Library Science 202.  
 Mathematics 301.  
 Music 121, 122, 170, 171.  
 Psychology 301, 302, 334, 346, 360, 361, 364.  
 Sociology 131, 160, 261, 262, 263, 264, 281.  
 Speech 141, 212, 232, 242.

**Requirements For Intermediate Grade Preparation**

	Sem. Hrs.
Art 101 and 102, Art Activities for Elementary Schools.....	5
English 170, Literature for the Elementary School.....	3
English 272, Literature for Upper Grades.....	3
Geography 135, World Regional Geography.....	3
Health and Physical Education 223, Physical Education for Upper Grades	2
Mathematics 101, Basic Concepts of Elementary Mathematics.....	3
Mathematics 201, Mathematics for the Elementary School .....	2
Music Elective (151, 152, 170, or Applied Music).....	2
Music 277, Music Education for the Elementary Grades.....	3
Natural Sciences (Biology, Chemistry, Geography, or Physics) Electives	5
Speech Elective (141, 223, 233, or 242) .....	3
Electives .....	15
Total .....	49

**Elective Guidelines**

The following is a suggested list of electives for students concentrating in Intermediate Grade Instruction.

Art 116, 126, 127, 140, 201, 202.  
 Biology 202, 203, 303.  
 Chemistry or Physics 205.  
 Education 240, 293, 307, 331, 348, 387.  
 English 232, 233, 234, 243, 247, 255, 273, 290, 372, 375.  
 Geography 130, 205, 215, 220, 225, 230, 240, 245, 250, 255, 260, 365.  
 Health and Physical Education 160, 162, 172, 174, 180, 235, 236, 242, 280, 361.  
 History 136.  
 Home Economics 106, 130, 231.  
 Industrial Technology 128.  
 Library Science 202.

Mathematics 301.  
 Music 151, 152, 170, Applied Music.  
 Psychology 301, 302, 334, 346, 360, 361, 364.  
 Sociology 131, 160, 261, 262, 263, 264, 281.  
 Speech 132, 141, 160, 212, 223, 233, 242, 262, 263.

Requirements For Upper-Grade Preparation	Sem. Hrs.
Art 101 and 102, Art Activities for Elementary Schools.....	5
English 170, Literature for the Elementary School.....	3
English 272, Literature for Upper Grades.....	3
Geography 135, World Regional Geography.....	3
Health and Physical Education 223, Physical Education for Upper Grades	2
Mathematics 101, Basic Concepts of Elementary Mathematics.....	2
Mathematics 201, Mathematics for the Elementary School.....	2
Music Elective (151, 152, 170, or Applied Music).....	2
Music 277, Music Education for the Elementary Grades.....	3
Natural Sciences (Biology, Chemistry, Geography, or Physics) Electives	5
Speech Elective (141, 212, 223, 233, 242, 311, 321).....	3
Electives .....	15
Total .....	49

### Elective Guidelines

The following is a suggested list of electives for students concentrating in upper-grade instruction.

Art 124, 126, 127, 140, 201, 202.  
 Biology 202, 203, 303.  
 Chemistry 110, 111, 205.  
 Education 240, 293, 247, 255.  
 English 243, 247, 255, 290, 375.  
 Geography 130, 205, 215, 220, 225, 230, 240, 245, 250, 255, 260, 365.  
 Health and Physical Education 160, 162, 172, 174, 180, 235, 236, 242, 280, 361.  
 History 136.  
 Home Economics 106, 130, 231.  
 Industrial Technology 128.  
 Library Science 203, 204.  
 Mathematics 202, 301, 302.  
 Music 151, 152, 170, or Applied Music.  
 Physics 105, 205.  
 Psychology 301, 302, 334, 346, 360, 361, 364.  
 Sociology 131, 160, 261, 262, 263, 264, 281.  
 Speech 125, 132, 141, 160, 212, 223, 233, 242, 262, 263, 311, 321, 324.

## JUNIOR HIGH SCHOOL TEACHING

	Sem. Hrs.
<b>Specific Requirements</b>	
English electives.....	9
Geography electives.....	6
Health and Physical Education 223, Physical Education for Upper Grades	2
Mathematics electives.....	7
Natural Sciences electives.....	7
Social Sciences elective.....	3
*Electives .....	14
Total .....	48

## Electives

The following courses are suggested for electives in the Junior High School Teaching Field:

- Art 100, 101, 102, 105, 113, 116, 118, 124, 126, 127, 132, 140, 155, 156, 161, 162, 201, 202, 204, 211, 327, 370.
- Biological Sciences 122, 123, 160, 191, 192, 201, 202, 203, 294.
- Chemistry 110, 111, 112, 140, 141, 215, 230, 305.
- Economics 100.
- Education 240, 301, 307.
- English 110, 130, 213, 214, 215, 216, 217, 218, 219, 220, 222, 224, 243, 247, 251, 272, 273, 296, 297, 375.
- Geography 130, 215, 220, 230, 240, 250, 255, 260, 365.
- Health and Physical Education 120, 121, 122, 150, 160, 162, 180, 242, 341, 361.
- History 123, 135, 136, 220, 228, 229, 232, 236, 238, 239, 292.
- Library Science 115, 202, 203, 210, 212.
- Mathematics 107, 108, 110, 112, 202.
- Music 101, 102, 103, 104, 121, 122, 126, 127, 135, 151, 152, 170, 201, 202, 237, 252, 253, 254, 255, 277.
- Physics 108, 109, 220, 225, 230, 240, 250, 252, 270, 305.
- Political Science 105, 121, 221, 222, 251.
- Psychology 131, 334.
- Sociology-Anthropology 181, 261, 262, 263, 264, 281, 382.
- Speech 125, 141, 223, 232, 242, 324.

## SPECIAL EDUCATION

The total hours required for graduation depend on the area chosen and the choice of courses. At least 128 semester hours must be completed, and the student may choose electives to meet this requirement if required courses do not fulfill it.

	Sem. Hrs.
<b>Deaf and Hard of Hearing</b>	
Art 101, Art Activities for Elementary Schools .....	2
Art 207, Art for Exceptional Children .....	3
Biological Sciences — Zoology 181 and 182, Functional Anatomy .....	8
Special Education 353, Education of the Deaf .....	2

\*Each student must complete at least one course in art and one in music. Part of this may be completed in General Education.



Special Education 354, The Teaching of Speech to the Deaf .....	4
Special Education 355, The Teaching of Language to the Deaf .....	4
Education 399, Student Teaching .....	5
English 170 or Library 204 or Library 202 .....	3
Geography Elective .....	3
Health and Physical Education 222 or 223 .....	2
Mathematics Electives .....	5
Music 371, Music for the Exceptional Child .....	3
Speech 215, Introduction to Speech Pathology .....	3
Speech 311, Phonetics .....	3
Speech 350, Basic Audiology .....	3
Speech 351, Speech Reading and Auditory Training .....	3
Speech 352, Professional Practice in Speech Reading and Auditory Training .....	2
Speech 372, Anatomy and Physiology of the Speech and Hearing Mechanism .....	3

**Maladjusted**Sem.  
Hrs.

Art 101, Art Activities for Elementary Schools .....	2
Art 207, Art for Exceptional Children .....	3
Biological Sciences — Zoology 181 and 182, Functional Anatomy .....	8
Special Education 357, Practicum in Clinical Teaching .....	3
Special Education 358, Education of the Emotionally and Socially Disturbed .....	2
English 170 or Library 204 or Library 202 .....	3
Geography Elective .....	3
Health and Physical Education 222 or 223 .....	2
Mathematics Electives .....	5
Music 371, Music for the Exceptional Child .....	3
Psychology 131, Social Psychology .....	3
Psychology 347, Behavior Disorders in Children .....	3
Sociology 365, Juvenile Delinquency .....	3
Sociology 262, The Family .....	3
Sociology 263, Deviant Behavior .....	3
Speech 212, Speech Correction for Classroom Teachers .....	3

**Mentally Retarded (Educable)**Sem.  
Hrs.

Art 101, Art Activities for Elementary Schools .....	2
Art 207, Art for Exceptional Children .....	3
Biological Sciences — Zoology 181 and 182, Functional Anatomy .....	8
Special Education 301, Laboratory Reading Methods .....	3
Special Education 346, Education for the Mentally Retarded .....	2
English 170 or Library 204 or Library 202 .....	3
Geography Elective .....	3
Health and Physical Education 222 or 223 .....	2
Home Economics 106, Nutrition .....	2
Mathematics Electives .....	5
Music 371, Music for the Exceptional Child .....	3
Psychology 348, Mental Retardation .....	3
Speech 212, Speech Correction for Classroom Teachers .....	3

	Sem. Hrs.
<b>Mentally Retarded (Trainable)</b>	
Art 101, Art Activities for Elementary Schools .....	2
Art 207, Art for Exceptional Children .....	3
Biological Sciences — Zoology 181 and 182, Functional Anatomy .....	8
Special Education 301, Laboratory Reading Methods .....	3
Special Education 345, Special Classes for the Trainable .....	3
English 170 or Library 204 or Library 202 .....	3
Geography Elective .....	3
Health and Physical Education 222 or 223 .....	2
Home Economics 106, Nutrition .....	2
Mathematics Electives .....	5
Music 371, Music for the Exceptional Child .....	3
Psychology 347, Behavior Disorders in Children .....	3
Psychology 348, Mental Retardation .....	3
Sociology 323, Child Welfare Services .....	3
Speech 212, Speech Correction for Classroom Teachers .....	3

	Sem. Hrs.
<b>Physically Handicapped</b>	
Art 101, Art Activities for Elementary Schools .....	2
Art 207, Art for Exceptional Children .....	3
Biological Sciences — Zoology 181 and 182, Functional Anatomy .....	8
Biological Sciences — Zoology 381, Applied Human Anatomy .....	4
Biological Sciences — Zoology 385, Physical Defects — Survey and Rehabilitation .....	3
Special Education 301, Laboratory Reading Methods .....	3
Special Education 349, Education of the Physically Handicapped .....	2
English 170 or Library 204 or Library 202 .....	3
Geography Electives .....	5
Health and Physical Education 222 or 223 .....	2
Home Economics 106, Nutrition .....	2
Mathematics Electives .....	5
Music 371, Music for the Exceptional Child .....	3
Speech 212, Speech Correction for Classroom Teachers .....	3

	Sem. Hrs.
<b>Speech Correction</b>	
Art 101, Art Activities for Elementary Schools .....	2
Biological Sciences — Zoology 181 and 182, Functional Anatomy .....	8
Special Education 301, Laboratory Reading Methods .....	3
Speech 112, Public Speaking .....	3
Speech 114, Voice and Articulation .....	3
Speech 215, Introduction to Speech Pathology .....	3
Speech 311, Phonetics .....	3
Speech 316, Introduction to Organic Disorders of Speech .....	3
Speech 318, Organization of the School Speech Correction Program .....	3
Speech 319, Stuttering I .....	3
Speech 350, Basic Audiography .....	3
Speech 351, Speech Reading and Auditory Training .....	3
Speech 371, Speech Science .....	2

Speech 372, Anatomy and Physiology of Speech and Hearing Mechanism .....	3
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Visually Impaired (Partially-seeing)	Sem. Hrs.
Art 101, Art Activities for Elementary Schools .....	2
Art 207, Art for Exceptional Children .....	3
Biological Sciences — Zoology 181 and 182, Functional Anatomy .....	8
Biological Sciences — Zoology 382, The Eye — A Laboratory and Clinical Study .....	2
Business Education 112, Typewriting or Elective .....	2
Special Education 301, Laboratory Reading Methods .....	3
Special Education 350, Education of the Partially Seeing .....	2
English 170 or Library 204 or Library 202 .....	3
Geography Electives .....	5
Health and Physical Education 222 or 223 .....	2
Home Economics 106, Nutrition .....	2
Mathematics Electives .....	5
Music 371, Music for the Exceptional Child .....	3
Speech 212, Speech Correction for Classroom Teachers .....	3

Visually Impaired (Blind)	Sem. Hrs.
Art 101, Art Activities for Elementary Schools .....	2
Art 207, Art for Exceptional Children .....	3
Biological Sciences — Zoology 181 and 182, Functional Anatomy .....	8
Biological Sciences — Zoology 382, The Eye — A Laboratory and Clinical Study .....	2
Business Education 112, Typewriting or Elective .....	2
Special Education 301, Laboratory Reading Methods .....	3
Special Education 351, Education of the Blind .....	3
Special Education 352, Braille Reading and Writing I .....	2
Special Education 356, Braille Reading and Writing II .....	2
English 170 or Library 204 or Library 202 .....	3
Geography Elective .....	3
Health and Physical Education 222 or 223 .....	2
Home Economics 106, Nutrition .....	2
Mathematics Electives .....	5
Music 371, Music for the Exceptional Child .....	3
Speech 212, Speech Correction for Classroom Teachers .....	3



## *Education*

*Head of the Department:* Leo E. Eastman. Office: Edwards Hall 300.

### **MINOR IN AUDIOVISUAL INSTRUCTION**

Courses in audiovisual instruction and specified related fields must total 24 semester hours. The following specific courses are required: Education 240, 241, 365, 366. The remaining 12 semester hours may be selected from the following: Art 101, 103, 104, 109, 126, 226; Education 337; Industrial Technology 111, 151, 152, 253; Library Science 210; Speech 160, 262, 263, 362. These courses cannot be used to satisfy the requirements for both a major and the minor. It is recommended that students planning to minor in this field consult an adviser in the Department of Education.

### **COURSES**

#### **215 AMERICAN PUBLIC EDUCATION 2 sem. hrs.**

Organization and administration of American public education—federal, state, county, and local. This course includes the scope of American education related to legal provisions, finance, current issues and developments, and responsibilities of membership in the teaching profession.

#### **216 SECONDARY EDUCATION 4 sem. hrs.**

Basic principles and techniques of teaching: learning goals and their function, selection and organization of subject matter, assignment procedures, selection and use of various teaching aids, practice in unit and daily planning, guidance and discipline, using community resources, teacher-student planning, small-group techniques, and procedures for evaluating and reporting the results of instruction. Observations, and/or participation in addition to the scheduled class hours, are required. Prerequisite: Education 102 or Psychology 115.

#### **217 EXTRACURRICULAR ACTIVITIES IN SECONDARY SCHOOLS 2 sem. hrs.**

Survey of the so-called extracurricular activities in secondary schools. Types of activities, aims and values, practices in organization, administration, and supervision of these activities. Prerequisite: Psychology 115.

#### **218 SECONDARY-SCHOOL READING 2 sem. hrs.**

Developmental and remedial aspects of high-school reading for senior and junior high-school teachers, supervisors, and administrators; the identification and development of reading skills and techniques; special consideration to reading problems of high-school pupils; acquisition and development of teaching materials and appropriate administrative procedures.

#### **231 INTRODUCTION TO PHILOSOPHY OF EDUCATION 3 sem. hrs.**

Philosophical inquiry regarding educational problems, the nature of the educative process, and its institutionalization. Emphasis on the necessity of a philosophical approach to problems confronting the citizen and the education and/or the competencies implied in such an approach.

#### **240 UTILIZATION OF AUDIOVISUAL MATERIALS 3 sem. hrs.**

Theory, materials and methodology of audiovisual instruction. General practices in the areas of selection and utilization of the major types of audiovisual materials, ways of using projected and non-projected visual materials and audio materials. Laboratory work includes experiences in equipment operation, previewing a variety of audiovisual materials and some techniques for creating teacher-made audiovisual materials. Also offered as Library Science 240.

**241 BASIC PHOTOGRAPHY 3 sem. hrs.**

Fundamental skills and techniques in the production of photographic materials and application of these skills to a particular area of interest—classroom instruction, journalism, art, audiovisual communication. Laboratory practice will be provided in camera operation, darkroom procedures, lighting, planning and executing a variety of visual displays. There may be a charge for materials used in this course.

**299 INDEPENDENT HONOR STUDY 1-6 sem. hrs.**

Intensive work in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report and/or examination. Open only to resident students who have achieved superior academic records and who have demonstrated ability to profit from independent study. A maximum of six hours of credit in independent study may be applied toward graduation. Prerequisite: Permission of the instructor, the Head of the Department, and the Dean of the Faculties.

**303 PRACTICUM IN UNIVERSITY READING STUDY CENTER 3 sem. hrs.**

Those enrolled for the Practicum meet 6 hours each week. Through observation and participation, students enrolled in the Practicum will learn the skills necessary for working in a reading-study center at the high school, junior college, and senior college level. The enrollment is limited to ten students with senior or graduate status. Prerequisite: Education 218 or 307 and permission of the instructor.

**308 TEACHING ADULTS TO READ 3 sem. hrs.**

The nature and needs of the population of reading programs for adults. Goals, techniques, content, and materials for the teaching of reading to adults. Prerequisite: One course in teaching of reading.

**309 ADULT EDUCATION PROGRAMS 3 sem. hrs.**

Instruction, direction, and administration of public school adult education. The adult learner, his needs and characteristics; facilities, staff, supervision and administration of adult education programs; the relation of public school adult education programs to other education programs under the sponsorship and direction of the public schools.

**324 SELECTED STUDIES IN HISTORY OF EDUCATION 1-3 sem. hrs.**

The field of study will vary according to the interests and needs of the students and the availability of instructors. Provided different material is covered, the course may be taken for credit more than once. Prerequisite: Education 335 or one upper-level course in history or consent of the instructor.

**326 SELECTED STUDIES IN PHILOSOPHY OF EDUCATION 1-3 sem. hrs.**

The field of study will vary according to the interests and needs of the students and the availability of instructors. Provided different material is covered, the course may be taken for credit more than once. Prerequisite: Education 231, or one upper level course in Philosophy, or consent of the instructor.

**328 SOCIAL FOUNDATIONS OF EDUCATION I 3 sem. hrs.**

The utilization of social scientific concepts in the study of education. Emphasis is on the organization and functions of the school as a social institution. Prerequisite: completion of general education requirements in social science or consent of instructor.

**331 INDEPENDENT STUDY IN EDUCATION 1-3 sem. hrs.**

Intensive, independent study on a problem or topic in education. The number of credit hours received would depend upon the nature of the topic or problem studied. A formal written paper is required. Provided different subject matter is covered, the course may be taken more than once, but no more than six semester hours of cumulative credit may be earned. Prerequisite: Permission of the instructor and the Head of the Department.

**332 EDUCATION IN THE INNER CITY 3 sem. hrs.**

An introduction to the problems of educating students who reside in the inner city. Student characteristics, needed teacher attitudes and skills, instructional materials and

techniques, and school and community programs are explored. Field trips will be taken to select schools. Consultants from other departments of the University and from non-university agencies will be utilized. Prerequisites: One of the following courses: Education 202, 203, 204 or 216 or consent of instructor.

**333 THE JUNIOR HIGH SCHOOL 2 sem. hrs.**

History of the institutional development of the junior high-middle school. Evolving philosophy, functions, and curricula as related to the characteristics and needs of early adolescents and the goals of public education. Schedule designs, instructional and guidance approaches, and the role of the informal curriculum at this level. Special problems and issues, and the evaluation and accreditation of junior high schools.

**334 PUBLIC RELATIONS FOR EDUCATION 2 sem. hrs.**

Basic methods and theories of public relations. Concentration on public relations in establishing and maintaining cooperation between the school and community. Special class projects include participation in a public relations conference, student investigations and reports in the areas of interest, and field trips, as well as lectures by guests representing communication media.

**335 HISTORY OF EDUCATION 3 sem. hrs.**

Development of European and American educational systems and programs. Emphasis on the historical perspective of modern educational problems.

**336 INTRODUCTION TO COMPARATIVE EDUCATION 3 sem. hrs.**

A comparative analysis of the major ideas and institutions of selected national systems of education. Emphasis on the investigation of problems relevant to developments in American education.

**337 PROGRAMED LEARNING 3 sem. hrs.**

Construction and evaluation of programed learning; critical analysis of learning theory as it relates to programed learning. Use of programed materials in the classrooms.

**340 STATISTICS I 3 sem. hrs.**

Basic statistics used in education and the behavioral sciences. Intensive study of frequency distributions, measures of central tendency and dispersion, and standard scores. Sampling error theory, simple hypothesis testing, correlation techniques, and regression analysis are also covered. The emphasis is on application and interpretation. Also offered as Psychology 340 and Sociology 340.

**350 INSTRUCTIONAL PLANNING SEMINAR 3 sem. hrs.**

A basic course in curriculum and instruction at the secondary level. Topics to be considered include purposes, curriculum, methods and evaluation. Study and practice will be given in constructing overviews, units, and daily lesson plans. For master's degree students in the internship program in teaching. Prerequisite: Consent of the instructor.

**360 PRINCIPLES OF GUIDANCE 2 sem. hrs.**

Backgrounds, philosophy, and services in school guidance programs. Examination of the appraisal, informational, and counseling services. Emphasizes the role of the classroom teacher as well as the organization of guidance activities.

**361 STUDENT PERSONNEL WORK IN HIGHER EDUCATION 3 sem. hrs.**

Fundamental concepts, organization and administration of higher education student personnel work. Consideration given current problems of college students and the role of student personnel workers as generalist educators.

**365 PRODUCTION OF INSTRUCTIONAL MATERIALS 3 sem. hrs.**

Production of a variety of projected and non-projected visual materials for classroom use. Planning, evaluating, and organizing audiovisual presentations. Fundamental skills of preservation, compilation, adaptation, lettering, enlargement, reduction, duplication, and production of audio materials will be demonstrated and laboratory practice will be



provided. There may be a charge for materials used in this course. Prerequisite: Education 240 or consent of instructor. Also offered as Library Science 365.

**366 ADVANCED AUDIOVISUAL PRODUCTION 3 sem. hrs.**

Advanced topics and techniques of production, such as planning, storyboarding, scripting, photosketching, etch bleaching, and audio-visual synchronization. Laboratory practice in designing and producing materials for individualized instruction, large group presentation and other multi-media configurations. There may be a charge for materials used in this course. Prerequisite: Education 241 and 365, or consent of instructor.

**387 MEASUREMENT AND EVALUATION IN EDUCATION 3 sem. hrs.**

Basic principles underlying measurement and evaluation in education. Includes development, use, and improvement of standardized and teacher-made tests and self-rating devices. Stresses interpretation of test data and use of test results. Students may develop measurement and evaluation programs and undertake projects in their major fields. Appropriate for elementary, secondary, and college levels.

**399 STUDENT TEACHING 1-10 sem. hrs.**

(See Professional Laboratory Experiences 399.)

## *Educational Administration*

*Head of the Department:* Ben C. Hubbard. Office: 300 North Street.

For information on courses offered by the Department of Educational Administration, consult the Annual Graduate Catalog.

## *Elementary Education*

*Acting Head of the Department:* George M. Drew, Jr. Office: Moulton Hall 103.

### **COURSES**

**101 FOUNDATIONS OF ELEMENTARY EDUCATION 3 sem. hrs.**

Orientation to the profession and a study of the relationship of elementary education within the organization of American public education. Directed observations on all grade levels are included.

**102 CHILD GROWTH AND DEVELOPMENT 3 sem. hrs.**

Physical, social, emotional and mental development of the child from conception through adolescence; methods of studying children and their behavior. Laboratory experiences include observation in the laboratory school and observation of children via television. Students who have had Psychology 115 may not take this course for credit. Prerequisite: Psychology 111.

**103 READING METHODS 3 sem. hrs.**

Basic principles and techniques of the teaching of reading in the elementary school. Emphasis on reading as a phase of communication and its relation to the other language arts. Instruction in, and observation of, the use of materials and techniques in the teaching of word recognition (including phonics), comprehension, and critical reading. Prerequisite: Elementary Education 102 or Psychology 115.

**201 KINDERGARTEN EDUCATION—PRINCIPLES AND PRACTICES****3 sem. hrs.**

Principles and practices of planning, teaching, and evaluating kindergarten programs. Major emphases on the place of the kindergarten in the total school program and the essential activities, learning, experiences, and equipment needed. Kindergarten participation required. Prerequisite: Elementary Education 102.

**202 EARLY CHILDHOOD EDUCATION 4 sem. hrs.**

Primary education as a basic unit of the elementary school; the physical plant, equipment, organization; overview of the curriculum with emphasis on learning experiences through a unified program; special emphasis on language arts (including spelling and manuscript writing); number concepts; science experiences; social studies; methods of evaluation consistent with growth needs of young children. Participation in primary classroom activities is required except for experienced teachers. Prerequisite: Elementary Education 103.

**203 MIDDLE GRADE EDUCATION 4 sem. hrs.**

Methods and materials in intermediate grades with special emphasis upon language arts, including spelling and handwriting; arithmetic, science, and social studies; instructional problems for teachers of the middle grades; selection, organization, and use of curriculum materials; the unified program of activities; pupil appraisal. Participation in middle-grade classroom activities is required except for experienced teachers. Prerequisite: Elementary Education 103.

**204 UPPER-GRADE—JUNIOR-HIGH EDUCATION 4 sem. hrs.**

Curriculum planning and instruction of young adolescents in various types of school organization; special emphasis on methods and materials in language arts, social arithmetic, and science activities. Participation is required except for experienced teachers. Prerequisite: Elementary Education 102 or Psychology 115.

**205 SENIOR SEMINAR IN ELEMENTARY EDUCATION 3 sem. hrs.**

The role of the classroom teacher as a member of a school staff, concerned with such problems as: curriculum development, classroom management, teacher-pupil planning, providing for individualized differences, making records and reports, understanding research and literature of various teaching fields, testing and evaluation instruments and procedures, school-community relations, in-service education. Issues in American public education and a knowledge of professional organization are emphasized. Teaching competencies are considered by each student. Designed primarily for elementary and special education programs. Prerequisite: Elementary Education 102 or Psychology 115.

**299 INDEPENDENT HONOR STUDY 1-6 sem. hrs.**

(See Education 299.)

**307 ADVANCED READING METHODS 3 sem. hrs.**

Practical problems utilizing group techniques in teaching of reading in each grade level of the elementary school. Integrates reading with non-reading learning activities. Involves direct experiences with children. Prerequisite: Elementary Education 103.

**331 INDEPENDENT STUDY IN EDUCATION 1-3 sem. hrs.**

(See Education 331.)

**399 STUDENT TEACHING 1-10 sem. hrs.**

(See Professional Laboratory Experiences 399.)

## *Laboratory Schools*

The Metcalf Elementary School and the University High School are the laboratory schools for Illinois State University in the areas of elementary, secondary, and special education. The Metcalf School has an enrollment of approximately 615 children consisting of grades K through 8 and twelve rooms for special education. The University High School has an enrollment of approximately 700 students in grades 9 through 12.

These schools are an integral part of the total teacher education program. The University uses these schools to provide a variety of professional laboratory experiences for the university students from the time they are entering freshmen until they are graduating seniors. Professional experiences include the following: Individual and/or group observations, participation, child study, student teaching, and research and experimentation.

The principle of quality education for students in the laboratory school is followed so that a quality teacher education program may be provided for university students. The schools strive to exemplify and reflect the best theory and best practices in their educational programs. The schools engage in educational research and experimentation in the continuing quest to improve the teaching-learning processes and to discover better ways to prepare teachers for the teaching profession. Ideas for research originate in the laboratory schools, in other departments within the College of Education, as well as in departments and colleges outside the College of Education.

Another purpose of the laboratory schools is that of service to public schools: such as demonstration teaching, consulting, conducting educational workshops, and cooperating in research projects.

### **METCALF ELEMENTARY SCHOOL**

*Director:* Vernon L. Replogle. Office: Metcalf Building 146.

### **UNIVERSITY HIGH SCHOOL**

*Director:* Harry D. Lovelass. Office: University High School Building 229.

## *Professional Laboratory Experiences*

*Head of the Department:* Cecilia J. Lauby. Office: Moulton Hall 217.

### **COURSES**

**245 FIELD WORK IN SPECIAL EDUCATION 1-6 sem. hrs.**  
(See Special Education 245.)

**299 INDEPENDENT HONOR STUDY 1-6 sem. hrs.**  
(See Education 299.)

**331 INDEPENDENT STUDY IN EDUCATION 1-3 sem. hrs.**  
(See Education 331.)



**357 PRACTICUM IN CLINICAL TEACHING 3 sem. hrs.**

(See Special Education 357.)

**399 STUDENT TEACHING 1-10 sem. hrs.**

Directing the learning of pupils; participating in school and community activities; assuming full responsibility for a group of learners under the supervision of an expert teacher. Assignments are made on the basis of the student's area of specialization. High School student teaching assignments include work in special methods in the subjects taught. Prerequisite: 1. Education 216 for high school student teaching; Elementary Education 204 for junior high school student teaching; one of Elementary Education 202, 203, or 204 for student teaching in the elementary school and special education. 2. Satisfactory preparation in the area of specialization. 3. Approval of the Head of the Department of Professional Laboratory Experiences. 4. One semester of residence, except in Special Education for which eight semester hours of residence work is required. For further information and other regulations, see pp. 185-187. Further information may also be obtained from the office of the Head of the Department of Professional Laboratory Experiences.

## *Special Education*

*Head of the Department:* Harold R. Phelps. Office: Fairchild Hall 103.

### **COURSES**

**145 INTRODUCTION TO SPECIAL EDUCATION 3 sem. hrs.**

The teaching profession and the relationship of special education to other aspects of American public education. Educational provisions for exceptional children: visually handicapped, physically handicapped, deaf and hard of hearing, mentally retarded, gifted, speech defective, socially maladjusted, and emotionally disturbed.

**206 THE CURRICULUM 2 sem. hrs.**

An overview of curricular principles, programs, and procedures, with adaptations for exceptional children in the special fields. Prerequisite: Special Education 145.

**245 FIELD WORK IN SPECIAL EDUCATION 1-6 sem. hrs.**

Supervised experiences in special education programs in day schools, clinical facilities, community agencies, and/or residential institutions serving the handicapped. The nature of this experience varies with the setting and the students' area of interest. Written reports and seminars are required. Prerequisites: Approval of instructor and Head of the Department of Special Education.

**299 INDEPENDENT HONOR STUDY 1-6 sem. hrs.**

(See Education 299.)

**301 LABORATORY READING METHODS 3 sem. hrs.**

Techniques of diagnosis and instruction for special cases of severe reading disability. Deals with physical, mental, and emotional maladjustments and teaching errors which may become causal factors in reading disabilities. Provides opportunity for preparation of instructional materials and for laboratory work with children having serious reading difficulties. Three double periods per week. Prerequisite: Elementary Education 103.

**331 INDEPENDENT STUDY IN EDUCATION 1-3 sem. hrs.**

(See Education 331.)

**345 SPECIAL CLASSES FOR THE TRAINABLE 3 sem. hrs.**

Organization of educational programs for the trainable mentally retarded. Teaching methods, behavior and progress evaluation, reports, and home-school-community relations are considered. Opportunities for observation and participation with the trainable are provided.

**346 EDUCATION FOR THE MENTALLY RETARDED 2 sem. hrs.**

Study of objectives, curriculum content, units, methods, and organization of work in classes of mentally retarded children. Opportunities for participation and observation in classes for the educable retarded provided.

**347 EDUCATION OF THE NEUROLOGICALLY IMPAIRED 2 sem. hrs.**

Medical diagnosis, psychological evaluation, anatomy and physiology of the central nervous system, nature and needs of the neurologically impaired child relative to educational adjustments needed and procedures of classroom management of children with severe learning problems and/or perceptual dysfunction. Relationship to other therapies. Observation and planned participation on a limited basis.

**348 EDUCATION OF GIFTED CHILDREN 2 sem. hrs.**

The meaning of giftedness, characteristics and methods of identification of gifted children, ways of providing for gifted in the school program, and guidance of gifted. For teachers, administrators, and personnel workers.

**349 EDUCATION OF PHYSICALLY HANDICAPPED 2 sem. hrs.**

Types of educational settings; interpretation and preparation of records; educational planning and curriculum development; psychological problems; relationships with the home; vocational planning. For teachers of children with orthopedic handicaps and teachers of children with special health problems. Prerequisite: Biological Sciences 381.

**350 EDUCATION OF THE PARTIALLY SEEING 2 sem. hrs.**

Nature and needs of the partially seeing. Interpretation and evaluation of medical, social, psychological and educational records and reports. Types of educational programs. Methods and materials for partially seeing children of school age.

**351 EDUCATION OF THE BLIND 3 sem. hrs.**

Nature and needs of the blind. Interpretation and evaluation of medical, social, psychological, and educational records and reports. Types of educational programs. Methods and materials for blind children of school age.

**352 BRAILLE READING AND WRITING I 2 sem. hrs.**

Designed to develop mastery of braille literary code. Use of the braille writer and other devices for writing. Proficiency in production of braille, ink printing, and proof-reading.

**353 EDUCATION OF THE DEAF 2 sem. hrs.**

History of education of deaf from social, economic, and political viewpoints. An overview of educational philosophies and methods. Consideration of psychological, social, and learning problems relating to the education of the deaf and hard of hearing. Problems of guidance and vocational placement peculiar to the deaf and hard of hearing.

**354 THE TEACHING OF SPEECH TO THE DEAF 4 sem. hrs.**

The development of oral communication in hearing children compared to deaf children. Methods of developing speech in the preschool and the school age deaf child using the visual, auditory kinesthetic and tactile approaches. Particular emphasis is placed on the importance of auditory training as part of the development of oral communication skills. Includes directed observations and supervised professional practice in classes for the deaf. Prerequisite: Special Education 353.



**355 THE TEACHING OF LANGUAGE TO THE DEAF 4 sem. hrs.**

Principles and techniques of teaching language to preschool and school age deaf children. Leading systems of teaching language to the deaf are examined and a thorough study of the Fitzgerald Key. Includes directed observations and supervised professional practice in classes for the deaf. Prerequisite: Special Education 353.

**356 BRAILLE READING AND WRITING II 2 sem. hrs.**

Designed to develop mastery of the braille mathematics code and the preparation of braille materials. Procedure for use and teaching of braille. Prerequisite: Special Education 352.

**357 PRACTICUM IN CLINICAL TEACHING 3 sem. hrs.**

Techniques in diagnosing learning disabilities in reading, arithmetic, spelling and handwriting as well as methods by which corrective measures can be applied. Laboratory experience with emotionally disturbed, socially maladjusted and learning disabled is provided. Laboratory hours arranged. (Enrollment limited.) Prerequisite: Permission of the instructor.

**358 EDUCATION OF SOCIALLY AND EMOTIONALLY DISTURBED 2 sem. hrs.**

Philosophies of teaching, curricular requirements, types of education facilities, teacher qualifications, methods and materials, identification and classification of disturbed children. Theories and methods of behavioral management. Prerequisite: Psychology 347.

**359 THE TEACHING OF READING AND ELEMENTARY SCHOOL SUBJECTS TO THE DEAF 4 sem. hrs.**

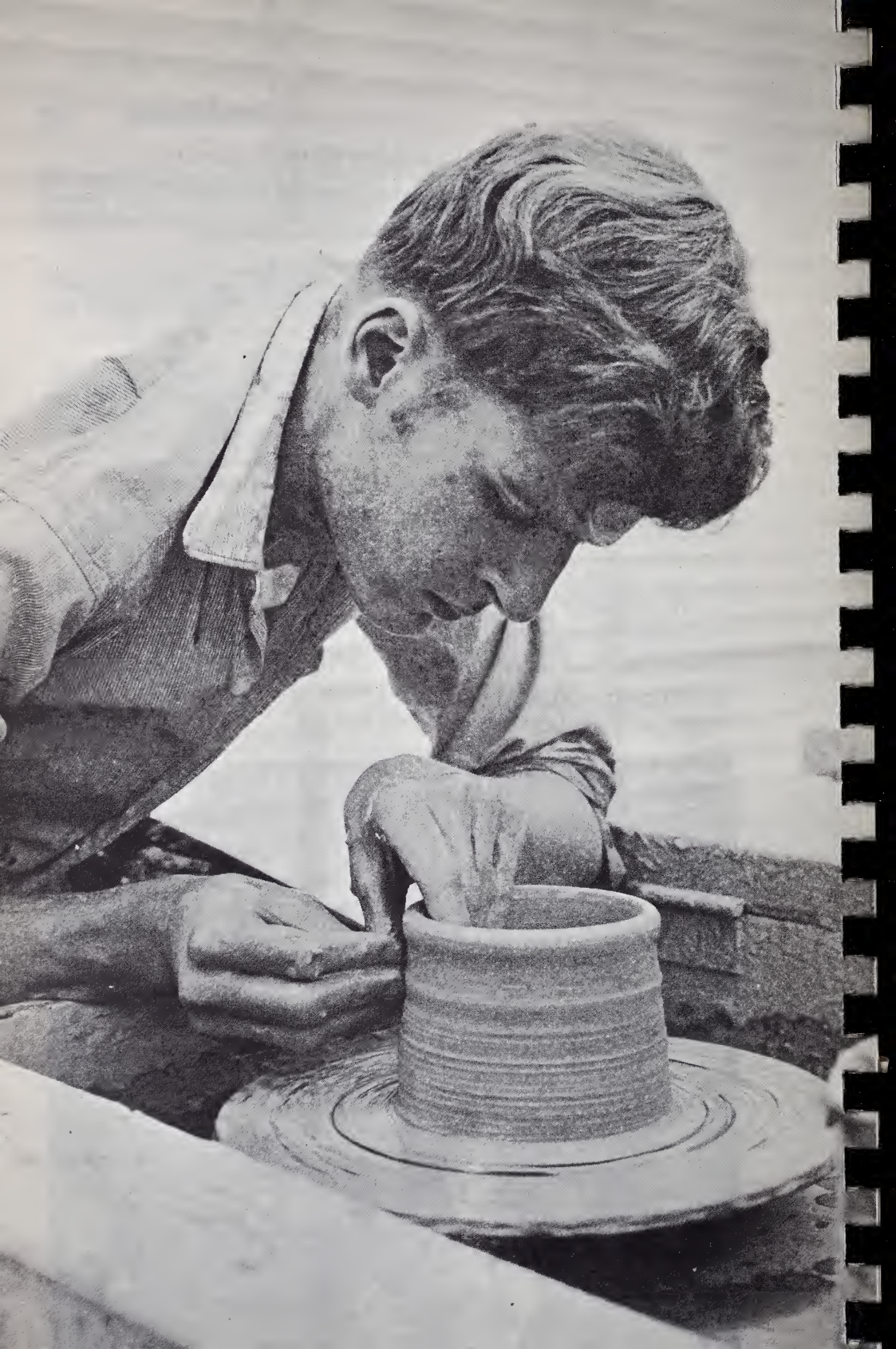
Principles and methods of teaching reading to deaf children at all elementary school levels. Methods of teaching subjects such as arithmetic, social studies, and science, and the use of audiovisual aids in classes for the deaf. Prerequisite: Special Education 353.

**399 STUDENT TEACHING 1-10 sem. hrs.**

(See Professional Laboratory Experiences 399.)







# *College of Fine Arts*

## *Departments:*

*Art*

*Music*

The College of Fine Arts offers to the University community the dimension of participation in and appreciation of man's aesthetic environment. The College, comprised of the Departments of Art and Music, is concerned with imparting an understanding of our cultural heredity and development by continuous art exhibitions and musical performances, as well as providing instruction in the visual and aural arts. Both departments offer programs leading to the baccalaureate degree for the future professional, the teacher and the citizen who will be a discriminating consumer of the fine arts.



## *Art*

*Head of the Department:* Frederick V. Mills. Office: Centennial Building West 203.

### **MAJOR IN ART**

Courses in Art must total 37 semester hours. The following specific courses are required: 103, 104, 109, 113; six semester hours chosen from 124, 127, 132, 140; 155, 156, 161; 14 semester hours of electives in Art.

### **COMPREHENSIVE MAJOR IN ART**

Courses in Art must total 55 semester hours. The following specific courses in Art are required: 103, 104, 109, 110, 113, 114, 124, 126, 127, 132, 155, 156, 161, 261, 262, 370.

### **MINOR IN ART**

Courses in Art must total 22 semester hours. The following specific courses are required: 103, 104, 155, 156, and 370.

Art 201, 202, 203, and 204 do not count toward a major or minor in Art for students seeking arts and sciences degrees.

## **TEACHING FIELDS**

### **COMPREHENSIVE MAJOR IN ART**

Courses in Art must total 55 semester hours. The following specific courses in Art are required: 103, 104, 109, 113, 114, 132, 155, 156, 161, 201, 202, 203, 204; four semester hours chosen from 124, 127, 140; six semester hours from 245, 261, 262; fifteen semester hours of Art electives, including three semester hours in Art History and at least six semester hours in one of the following areas — Art History, Ceramics, Design, Jewelry, Drawing, Textiles, Printmaking, Sculpture.

### **MINOR IN ART**

Courses in Art must total 22 semester hours. The following specific courses are required: 103, 104, 113, 126, 150, 201, 202 or 203, 204. Art 204 must be taken concurrently with Art 202 or 203.

The Department of Art reserves the right to keep for demonstration and exhibition examples of work done by students for course requirements.

### **COURSES IN ART**

#### **100 INTRODUCTORY ART WORKSHOP 2 sem. hrs.**

Awareness and understanding of art forms in such areas as drawing, painting, printmaking, sculpture, and crafts.



**101 ART ACTIVITIES FOR ELEMENTARY SCHOOLS 2 sem. hrs.**

The nature of the child at different stages of his growth in terms of his creative expression. Practical experience with a variety of materials and techniques suitable for the elementary school including design principles, lettering, signs and posters, scrap material projects and the use of crayons, clay and printing techniques.

**102 ART ACTIVITIES FOR ELEMENTARY SCHOOLS 3 sem. hrs.**

Continuation of Art 101 including experimentation in drawing and painting, sculpture, cut and torn paper, bulletin board arrangement, the making of masks and murals.

**103 VISUAL ELEMENTS 2 sem. hrs.**

Fundamentals of two-dimensional design including color theory and principles of composition.

**104 BASIC DRAWING 2 sem. hrs.**

Practice in drawing using a variety of materials including pencil, crayon, brush, pen and ink.

**105 TEACHING ART IN THE JUNIOR HIGH SCHOOL 2 sem. hrs.**

A specific study of the art program needed by children in the junior high school. Social and physiological needs and their effects on the young adolescent. To train the student in skills and techniques suitable for this age group.

**108 STRUCTURAL DESIGN 2 sem. hrs.**

Principles of design as applied to creating products for the home or for industry. Actual practice in product design, with emphasis on the form of the product and the material from which it is made. Field trips to study local buildings with fine design and interiors.

**109 BASIC MATERIALS 2 sem. hrs.**

Workshop class concerned with the investigation and experimentation of fundamental materials including paper, wood, glass, metal, and plastics. Emphasis on visual and tactile qualities and methods of construction.

**110 BASIC MATERIALS 2 sem. hrs.**

Workshop class using the same materials as those in Art 109 and introducing the concept of space as an element of design. Emphasis on forming, joining, and finishing of materials.

**111 ART FUNDAMENTALS 3 sem. hrs.**

Practice in the use of fundamental art elements and principles in creative problems applied to everyday living in the home, school, and community. Emphasis upon the total work of art rather than upon media or technique. Primarily for students in Home Economics.

**113 LIFE DRAWING 3 sem. hrs.**

Anatomy and design of the human figure as a basis for use in creative expression. Media will include pencil, charcoal, lithograph, conte, and pen and ink.

**114 LIFE COMPOSITION 3 sem. hrs.**

Continuation of the study of the human form, with special emphasis upon composition and the ability to achieve expressive drawing. Prerequisite: Art 113.

**116 PUPPETRY 2 sem. hrs.**

Brief survey and construction of several kinds of puppets suitable for use in elementary and secondary schools. Paper-bag and cloth puppets, stick and hand puppets, and string-controlled marionettes will be included.

**118 LANDSCAPE COMPOSITION AND SKETCHING 3 sem. hrs.****Summer only**

Recreational course in sketching out-of-doors, using such graphic media as pencil, charcoal, and chalks.

**124 INTRODUCTION TO JEWELRY 2 sem. hrs.**

Fundamental processes in the crafting of precious and semi-precious metals. Exploration of processes suitable for teaching jewelry in the public schools such as stone setting, surface treatments, cutting, forming and finishing.

**126 LETTERING AND LAYOUT 2 sem. hrs.**

Historical and technical development of letter forms. Studio work with pen, brush and mechanical letter styles. Basic principles of advertising layout and printing processes as used in school publications. Prerequisite: Art 101, 103 or 111.

**127 POTTERY 2 sem. hrs.**

Designing, making, glazing, and firing of pottery, accompanied by a study of the differences in earthenware, stoneware, and porcelain. Formulation of criteria for appraisal of various types of pottery.

**132 SCULPTURE 2 sem. hrs.**

Experimentation with modern sculptural techniques, including direct carving and the making of molds and casts.

**140 WEAVING 3 sem. hrs.**

Introduction to various weaving techniques with emphasis on a creative approach in the use of color and texture. Experimental work in rugs, wall hangings, tapestries, drapery and upholstery incorporating the use of cotton, linen, wool, synthetic yarns and indigenous fibers, reeds and grasses. Also an introduction to the use of a wide variety of looms and equipment.

**150 ART APPRECIATION 2 sem. hrs.**

Various styles of art will be surveyed and discussed to discover what is involved in architecture, sculpture, painting and the various craft forms.

**155 HISTORY OF ART 3 sem. hrs.**

Development of art from prehistoric times to the Renaissance.

**156 HISTORY OF ART 3 sem. hrs.**

Development of art beginning with the Renaissance to World War I.

**161 EXPERIMENTAL PAINTING 2 sem. hrs.**

Experimental work with a variety of transparent and opaque water base painting media.

**162 EXPERIMENTAL PAINTING 2 sem. hrs.**

Continued experiments in water base painting media; based upon individual interest. Prerequisite: Art 161.

**200 ART MATERIALS FOR ELEMENTARY SCHOOLS 3 sem. hrs.**

The significance of the art experience at different stages in the growth and development of children. Practical experience in working with art materials suitable for the elementary level, such as crayon and chalk techniques, manuscript lettering, clay, cut and torn paper, scrap material projects, drawing and painting. For transfer students of junior standing and teachers in the field. Students who have had Art 101 and 102 may not take this course for credit.

**201 CRAFTS FOR ELEMENTARY SCHOOLS 3 sem. hrs.**

Simple crafts suitable for the elementary level such as weaving, simple jewelry, stitchery, enameling, hand puppets and printing techniques. Emphasis upon the sequential

development of the craft in relation to the maturity and growth of the child. Students who have had Art 207 may not take this course for credit. Prerequisite: Art 101 or 103.

**202 TEACHING ART IN ELEMENTARY SCHOOLS 2 sem. hrs.**

Principles for establishing a creative art program in an elementary school. Planning of art work as an integral part of the experiences of the child at various levels.

**203 TEACHING ART IN THE HIGH SCHOOL 2 sem. hrs.**

The development of art curricula to meet the needs of high school students. Problems of teaching and administering the school art program. Adapting the art program to large or small high schools and integrating it with other subject matter and extra-curricular activities.

**204 JUNIOR PARTICIPATION IN ART 1 sem. hr.**

Observation and participation in teaching art at the elementary or secondary levels. This course must be taken concurrently with either Art 202 or 203.

**206 THE ART RESOURCE PERSON 1 sem. hr.**

Role of art resource person in developing an art program at the elementary school level. Learning how to plan and work with other school personnel; providing appropriate art instructional materials for elementary classroom teachers. Prerequisite: 10 semester hours in Art.

**207 ART FOR EXCEPTIONAL CHILDREN 3 sem. hrs.**

Practical use of design, materials, and techniques in the production of various crafts, plus methods of teaching to meet the individual art needs of children in special classes. For students in Special Education. Students who have had Art 201 may not take this course for credit. Prerequisite: Art 101.

**211 ADVANCED CRAFTS 3 sem. hrs.**

Advanced craft techniques with emphasis upon design principles and functionality. Prerequisite: Art 103 or 111.

**213, 214, 215 LIFE DRAWING 1 sem. hr. each (Formerly 120, 121, 122)**

Practice in drawing the human figure. Prerequisite: Art 114.

**224 JEWELRY 2 sem. hrs.**

Advanced problems in three-dimensional design: additional techniques in shaping, forming, casting and finishing precious metals. Studio experience in jewelry, silver-smithing, cutting and setting of semi-precious stones. Emphasis placed upon craftsmanship and growth in design sensitivity. Prerequisite: Art 124.

**226 LETTERING AND LAYOUT 2 sem. hrs.**

Advanced problems in lettering and layout. Prerequisite: Art 126.

**227 CERAMICS 2 sem. hrs.**

Advanced problems in ceramic design. Prerequisite: Art 127.

**232 SCULPTURE 3 sem. hrs.**

Advanced composition in various media suitable for sculpture. A survey of contemporary trends in sculpture. Prerequisite: Art 132.

**240 WEAVING 3 sem. hrs.**

Advanced work in various weaving techniques with an emphasis on finished work of aesthetic and functional values. Prerequisite: Art 140.

**245 PRINTMAKING 2 sem. hrs.**

Introduction to printmaking techniques including lithography, intaglio, and wood cuts.



**250 THE ARTS AND MODERN MAN 2 sem. hrs.**

Selected works from music, theatre and the visual arts are studied as the aesthetic expressions of the concerns, the values and the aspirations of contemporary man. The significance of all the arts as creative forces in our society is discussed; and the symbol systems of the three arts are explained. Conducted by members of the Departments of Art, Music, and Speech.

**261 and 262 OIL PAINTING Each 3 sem. hrs.**

Composition in oil and survey of contemporary trends in painting. Prerequisite: Art 161.

**321 PHILOSOPHY OF ART EDUCATION 3 sem. hrs.**

The role of art in society and the historic development of art education in public schools. Emphasis upon the development of a personal philosophy of the role of art in the democratic society.

**324 ADVANCED JEWELRY AND SILVERSMITHING 2-6 sem. hrs.**

Special problems in jewelry and silversmithing. May be repeated. Prerequisite: Art 224.

**327 ADVANCED CERAMICS 2-6 sem. hrs.**

Special problems in ceramics. May be repeated. Prerequisite: Art 227.

**331 ADVANCED DRAWING 1-3 sem. hrs.**

Special problems in drawing. May be repeated. Prerequisite: Art 114.

**332 ADVANCED SCULPTURE 2-6 sem. hrs.**

Special problems in sculpture. May be repeated. Prerequisite: Art 232.

**340 ADVANCED WEAVING 2-6 sem. hrs.**

Special problems in weaving. May be repeated. Prerequisite: Art 240.

**345 ADVANCED GRAPHICS 2-6 sem. hrs.**

Special problems in graphic arts. May be repeated. Prerequisite: Art 245.

**351 SPECIAL PROJECTS IN ART 2-6 sem. hrs.**

Special projects in art or art education chosen by the student for investigation with the approval of the instructor. A student may enroll in this course for credit more than once if the material covered is not duplicated.

**361 ADVANCED PAINTING 2-6 sem. hrs.**

Special problems in painting. May be repeated. Prerequisite: Art 262.

**370 CONTEMPORARY ART 2 sem. hrs.**

Development of modern movements in painting, sculpture, architecture, and industrial design in Europe and America.

**375 RENAISSANCE ART 3 sem. hrs.**

General influence determining the art product in Italy, Germany, Holland, England and Flanders; related arts. Sources and readings for research. Chronological survey of artistic evidence in architecture, sculpture, painting, and the minor arts.

**381 ART IN THE UNITED STATES 3 sem. hrs.**

A survey of the development of painting, sculpture, industrial design, and architecture in the United States with an emphasis upon twentieth-century trends.

## Music

*Head of the Department:* Joseph M. Wilson. *Office:* Centennial Building East 155B.

### MAJOR IN MUSIC

Courses in music must total 37 semester hours. The following courses are required: 101, 102, 103, 104, 105, 106, 151, 253, 254; eight semester hours of group and/or applied music in voice or a keyboard instrument, or eight semester hours of applied music on a brass, string, woodwind, or percussion instrument; five semester hours of music electives. Six semesters of participation are required in a major performing organization. No more than three semester hours of participation credit will apply toward the major.

### MINOR IN MUSIC

Courses in music must total 24 semester hours. The following courses are required: 101, 102, 105, 106, 151, 253 or 254; six semester hours of group and/or applied music in voice or a keyboard instrument, or six semester hours of applied music on a brass, string, woodwind, or percussion instrument; two semester hours in performing organizations or ensembles; three semester hours of electives.

### TEACHING FIELDS

#### COMPREHENSIVE MAJOR IN MUSIC

Courses in music for the Comprehensive Major consist of the core requirements, a major sequence, a different minor sequence, and electives in music for a total of 60 semester hours. The student must pass a keyboard proficiency examination prior to student teaching.

Students enrolled in the comprehensive major are required by the Music Department to participate in a major performing organization during every semester of their degree plan excluding that semester in which student teaching is done. The amount of semester hour credit applicable to the degree will be established in consultation with an academic adviser in music.

Core Requirements: Music 101, 102, 103, 104, 105, 106, 151, 253, 254.

Major sequence in Choral Music: Ten semester hours from Music 126, 127, 137, 237; four semester hours from Music 121, 122, 132, 133, 135, 232, 233, 235; Music 167, 264, and 268.

Major Sequence in General Music: Six semester hours from Music 126, 127, 137, 237; four semester hours from Music 121, 122, 132, 133, 135, 232, 233, 235; three courses from Music 170, 262, 264, 377; and Music 167.

Major Sequence in Instrumental Music — Winds: Six semester hours from Music 131 and 231, or 138 and 238, or 134 and 234; Music 111, 113, 115, 117, 161, 167, 261, 269; and courses in Music 121, 122, 135, 235 until the keyboard proficiency examination is passed.

Major Sequence in Instrumental Music — Strings: Six semester hours from Music 136 and 236; Music 111, 113, 115, 117, 167, 269, and 330 (string pedagogy and literature); and courses in Music 121, 122, 135, 235 until the keyboard proficiency examination is passed.

Minor Sequence in Choral Music: Four semester hours from Music 126, 127, 137, 237; Music 264 and 268.

Minor Sequence in General Music: Four semester hours from Music 121, 122, 135, 235; two courses from Music 170, 262, 264, 377.

Minor Sequence in Instrumental Music — Winds: Four semester hours from Music 131 and 231, or 138 and 238, or 134 and 234; group instruction classes (Music 111, 115, 117) which have not been taken in the major sequence; Music 261 and 269.

Minor Sequence in Instrumental Music — Strings: Four semester hours from Music 136 and 236; group instruction classes (Music 111, 113, 115, 117) which have not been taken in the major sequence; Music 269 and 330 (string pedagogy and literature).

Minor Sequence in Applied Music: Four semester hours of applied music (voice, keyboard, brass, string, woodwind, or percussion instrument); an appropriate pedagogy and literature course for voice or an instrument; Music 301. Also, Music 140 is required of the applied keyboard minor.

## MINOR IN CHORAL MUSIC

Courses in music must total 24 semester hours. The following courses are required: Music 101, 102, 105, 106; five or six semester hours of Music 126, 127, 137, 237; three or four semester hours of Music 121, 122, 132, 133, 135, 232, 233, 235; Music 151, 167, 264.

## MINOR IN GENERAL MUSIC

Courses in music must total 24 semester hours. The following courses are required: Music 101, 102, 105, 106; five semester hours from Music 121, 122, 132, 133, 135, 232, 233, 235; four semester hours from Music 126, 127, 137, 237; Music 167, 170, 262.

## MINOR IN INSTRUMENTAL MUSIC—WINDS

Courses in music must total 24 semester hours. The following courses are required: Music 101, 102, 105, 106; four semester hours from 131 and 231, or 138 and 238, or 134 and 234; Music 111, 115, 117, 151, 167, 261.

## MINOR IN INSTRUMENTAL MUSIC—STRINGS

Courses in music must total 24 semester hours. The following courses are required: Music 101, 102, 105, 106; three semester hours from Music 136 and 236; Music 111, 113, 116, 117, 151, 167, and 330 (string pedagogy and literature).

## MINOR IN APPLIED MUSIC

Courses in music must total 24 semester hours. The following courses are required: Music 101, 102, 105, 106; 8 semester hours of applied music (voice, keyboard, brass, string, woodwind, or percussion instrument); Music 151, 167, and 330; Music 140 or an elective in music.

Students wishing to pursue the minor in applied music must audition: freshmen after one year in school; sophomore transfer students after one semester; junior and senior transfer students at time of enrollment.



## MUSIC PLACEMENT TESTS

Students electing music as a major, comprehensive major, or minor field are required to take a placement test before enrolling in courses in music theory and Applied Music. The test results are used to determine the courses in which the students should enroll.

## PIANO PROFICIENCY

Students with a major or comprehensive major in Music are required to attain sufficient skill in playing the piano to pass a proficiency test prior to student teaching. The study of piano may be done in group instruction courses or in applied music.

## COURSES IN MUSIC

Enrollment in some courses is limited to those students who have had auditions or who have secured permission from the appropriate co-ordinator. Further information may be obtained in the office of the Music Department.

### 100 MUSIC THEORY 2 sem. hrs.

Elements of notation, major keys, melodic, harmonic and natural minor keys, reading in treble and bass clefs, intervals and elementary chord structure. Credit earned in this course may not be counted toward a first or second field in Music. A theory placement test must be taken prior to enrollment, and the results may indicate placement in Music 101.

### 101 MUSIC THEORY 3 sem. hrs.

Diatonic harmony including intervals, triads, primary chords, cadence formulas, part-writing procedures, inversion of chords and introduction of non-harmonic tones. Prerequisite: Music 100 or consent of the Theory Coordinator. To be taken concurrently with Theory 105.

### 102 MUSIC THEORY 3 sem. hrs.

Continuation of diatonic harmony with the addition of deceptive cadences, second inversion chords, diatonic seventh chords and diatonic part-writing. Prerequisite: Music 101 or consent of Theory Coordinator. To be taken concurrently with Theory 106.

### 103 MUSIC THEORY 4 sem. hrs.

Completion of diatonic harmony begun in 101 and introduction to chromatic harmony including borrowed chords and secondary dominant chords. Creative writing in short musical forms. Prerequisite: Music 102 or consent of the Theory Coordinator.

### 104 MUSIC THEORY 4 sem. hrs.

Continuation of chromatic harmony begun in 103 with secondary leading tone triads, seventh chords, Neopolitan sixth chords and augmented sixth chords. Creative writing in short musical forms. Prerequisite: Music 103 or consent of the Theory Coordinator.

### 105 MUSIC THEORY 1 sem. hr.

Development of the art of singing at sight, beginning with simple rhythmic and melodic material becoming progressively more advanced. To be taken concurrently with Theory 101.

### 106 MUSIC THEORY 1 sem. hr.

Continuation of Theory 105 with progressively more challenging material and including chromatic embellishments and modulations. To be taken concurrently with Theory 102. Prerequisite: Theory 105, or permission of the instructor.

**111 GROUP INSTRUCTION IN BRASS 2 sem. hrs.**

Practical instruction in playing all the brass instruments.

**112 GROUP INSTRUCTION IN BRASS 1 sem. hr.**

Continuation of 111 with concentration on one brass instrument. Not required of students whose principal instrument is a brass instrument.

**113 GROUP INSTRUCTION IN STRINGS 2 sem. hrs.**

Practical instruction in playing the violin, viola, cello and string bass.

**114 GROUP INSTRUCTION IN STRINGS 1 sem. hr.**

Continuation of 113 except that concentration is on one stringed instrument. Not required for students whose principal instrument is a stringed instrument.

**115 GROUP INSTRUCTION IN WOODWINDS 2 sem. hrs.**

Practical instruction in playing all woodwind instruments.

**116 GROUP INSTRUCTION IN WOODWINDS 1 sem. hr.**

Continuation of 115 with concentration on one woodwind instrument. Not required of students whose principal instrument is a woodwind instrument.

**117 GROUP INSTRUCTION IN PERCUSSION 1 sem. hr.**

Practical instruction in playing and methods of teaching the percussion instruments of the band and orchestra. Students who have had Music 118 may not take this course for credit.

**121 GROUP INSTRUCTION IN PIANO 2 sem. hrs.**

Practical instruction in playing piano for students who have had no playing experience on piano. Provision for the harmonic background which will enable the student to improvise interesting piano accompaniments to folk melodies and simple songs. Enrollment by permission of the Piano Coordinator.

**122 GROUP INSTRUCTION IN PIANO 2 sem. hrs.**

Practical instruction in playing piano for students who have had playing experience on piano. Enrollment by permission of the Piano Coordinator.

**126 GROUP INSTRUCTION IN VOICE 2 sem. hrs.**

Practical instruction in singing, English, and Italian diction. Successful completion of 126 by audition before members of voice faculty is prerequisite for admittance to 137. May be repeated for credit.

**127 FOREIGN LANGUAGE DICTION FOR SINGERS 2 sem. hrs.**

Instruction in German and French diction, and singing art songs in both languages. May be taken concurrently with first semester of applied vocal study. Prerequisite: Music 126.

**131-138 APPLIED MUSIC Each 1-2 sem. hrs.**

Brass, 131; harpsichord, 132; organ, 133; percussion, 134; piano, 135; strings, 136; voice, 137; woodwinds, 138. These courses may be repeated for credit. Permission to enroll must be obtained from appropriate Coordinator in the semester prior to the semester or summer session in which student expects to enroll.

**139 ENSEMBLE 1-2 sem. hrs.**

Study and performance of chamber music in any suitable combination of instruments or voices. Permission to enroll must be obtained from appropriate Coordinator in the semester prior to the semester or summer session in which student expects to enroll.

**140 ACCOMPANYING 2 sem. hrs.**

Techniques and skills of accompanying singers and instrumentalists including practical experience gained through providing accompaniments for other students.

**151 SURVEY OF MUSIC LITERATURE 2 sem. hrs.**

Music representative of the various periods and styles. Students who have had the former Music 107 may not take this course for credit.

**152 LITERATURE OF MUSIC 2 sem. hrs.**

Orchestral and choral music, symphony, concerto, suite, ballet, and oratorio. Prerequisite: Music 151 or consent of the instructor.

**161 MARCHING BAND TACTICS 2 sem. hrs.**

Rudiments of marching band. Students taking this course are required to participate in marching band during the football season.

**167 CONDUCTING 2 sem. hrs.**

Fundamentals of conducting, score reading, rehearsal procedures and development of conducting techniques.

**170 MUSIC LITERATURE FOR CHILDREN 2 sem. hrs.**

Music interests of children in the various grades; music literature that will enable the teacher to develop these interests and promote growth; music suitable for use in the various units in an activities program. Designed especially for teachers, principals, and supervisors in elementary schools.

**171 MUSIC SKILLS FOR CLASSROOM TEACHERS 2 sem. hrs.**

Practical course in basic skills, fundamentals, and music for students in the Elementary and Special Education Curricula who do not read music.

**181-187 PARTICIPATION Each 1/2-6 sem. hrs.**

Participation in the major organizations: Concert Band, 181; Concert Orchestra, 182; Women's Chorus, 183; Men's Glee Club, 185; Treble Choir, 186; Choir, 187.

**201 THEORY 2 sem. hrs.**

Review of all aspects of traditional harmony. Introduction and analysis of formal schemes of classical literature such as rondo, sonata-allegro, and theme and variations. Prerequisite: Theory 104 or consent of the Theory Coordinator.

**202 THEORY 2 sem. hrs.**

Study, analysis, and writing of eighteenth-century contrapuntal forms such as the invention, canon, and fugue. Prerequisite: Theory 201 or consent of the Theory Coordinator.

**209 ORCHESTRATION 2 sem. hrs.**

Scoring for orchestras and bands, involving tonal balance, color, timbre, and technical problems. Scores completed in this class will be performed by campus organizations during the season under the direction of the persons scoring the works.

**210 CHORAL ARRANGING 2 sem. hrs.**

Arranging Music for large and small vocal ensembles with emphasis on the needs of the public school vocal teacher.

**231-238 APPLIED MUSIC Each 1-2 sem. hrs.**

Advanced brass, 231; harpsichord, 232; organ, 233; percussion, 234; piano, 235; strings, 236; voice, 237; woodwinds, 238. These courses may be repeated for credit. Permission to enroll must be obtained from appropriate Coordinator in the semester prior to the semester or summer session in which student expects to enroll.

**239 ENSEMBLE 1-2 sem. hrs.**

Study and performance of chamber music in any suitable combination of instruments or voices. Permission to enroll must be obtained from appropriate Coordinator in the semester prior to the semester or summer session in which student expects to enroll.

**250 THE ARTS AND MODERN MAN 2 sem. hrs.**

Selected works from music, theatre and the visual arts are studied as the aesthetic



expression of the concerns, the values and the aspirations of contemporary man. The significance of all the arts as creative forces in our society are discussed; and the symbol systems of the three arts are explained. Conducted by members of the Departments of Art, Music, and Speech.

**252 LITERATURE OF MUSIC 2 sem. hrs.**

Chamber music—instrumental and vocal literature for solos and small ensembles. Prerequisite: 151 or consent of the instructor.

**253 SURVEY OF MUSIC HISTORY AND LITERATURE THROUGH THE 17th CENTURY 3 sem. hrs.**

Development of music from earliest times through the seventeenth century.

**254 SURVEY OF MUSIC HISTORY AND LITERATURE FROM THE 18th CENTURY TO THE PRESENT 3 sem. hrs.**

Development of music from Bach to the present, including nationalities, schools and biographies of composers.

**255 MUSIC HISTORY AND LITERATURE, 20th CENTURY 3 sem. hrs.**

Detailed study of twentieth-century music—how it has developed and what its trends are. Opportunity will be given to listen to many illustrations of conspicuous styles—nationalism, realism, impressionism, atonality, polytonality, neoclassicism, and jazz. Notice will be taken of the effect of the machine, radio, television, and war upon music. Emphasis upon American contributions.

**256 MUSIC HISTORY AND LITERATURE, 17th AND 18th CENTURIES 3 sem. hrs.**

The development of music during the 17th and 18th centuries including nationalities, schools, biographies of composers, style, and form.

**257 MUSIC HISTORY AND LITERATURE OF THE 19th CENTURY 3 sem. hrs.**

Study of musical developments in the 19th century: romanticism, impressionism, the orchestra, opera, art song, other large and small forms.

**258 MUSIC HISTORY AND LITERATURE OF THE RENAISSANCE 3 sem. hrs.**

Study of the artistic and social conditions of the 15th and 16th centuries in Europe, sacred and secular vocal music, instruments, the forms, theoretical practices.

**261 CURRENT TRENDS IN INSTRUMENTAL MUSIC 3 sem. hrs.**

Administration and supervision of instrumental music in the elementary and secondary schools, methods and materials in current use, and current research that may affect instrumental music teaching.

**262 MUSIC EDUCATION 3 sem. hrs.**

Survey of music in the kindergarten and grades one through six; current practices in teaching music in these grades; materials used for singing, listening, rhythmic activities, creating, and playing; planning of music suitable for the activities program. Students who do not have a teaching field in music may not take this course except by special permission.

**263 BAND SCORING 2 sem. hrs.**

Instrumentation for bands; scoring for outdoors; transcription from other media such as orchestra and keyboard; editing of scores.

**264 MUSIC EDUCATION 3 sem. hrs.**

Survey of music in grades seven through twelve; current practices in teaching music in these grades; materials used for singing, listening, and creative activities; planning of music suitable for the activities program in junior and senior high school. Students who do not have a teaching field in Music may not take this course except by special permission.

**268 CONDUCTING (CHORAL) 2 sem. hrs.**

Further development of conducting skills with attention given to principles of vocal production, rehearsal procedures, and problems of conducting choral music from all historical periods.

**269 CONDUCTING (INSTRUMENTAL) 2 sem. hrs.**

Further development of conducting skills with attention given to interpretation of representative instrumental works of master composers. Prerequisite: Music 167.

**277 MUSIC EDUCATION IN THE ELEMENTARY GRADES 3 sem. hrs.**

Techniques and materials for teaching music in kindergarten and grades one through eight. Designed for classroom teachers and elementary principals. A student may not take this course for credit if he has credit in one of the earlier courses in Music—239, 240, 241, 262, 275, 276.

**301 FORM AND ANALYSIS IN MUSIC 3 sem. hrs.**

Structure of classical music ranging from simpler compositions as found in piano works to more elaborate material as found in major sonatas and symphonies.

**303 MODAL COUNTERPOINT 3 sem. hrs.**

Study of the C clefs and church modes; practical experience through writing specie counterpoint in two and three parts; combined counterpoint in three parts, counterpoint in triple time, writing without cantus firmus; four part writing. Prerequisite: Successful completion of Music 104, or consent of instructor.

**304 TWENTIETH CENTURY THEORY 3 sem. hrs.**

Study of idiomatic intervals and scale materials, construction of chords in seconds, thirds, and fourths; added note chords, polychords; compound and mirror harmony; harmonic direction; timing and dynamics, embellishment and transformation, key centers, harmonic synthesis. Prerequisite: Music 104, or consent of instructor.

**305 COMPOSITION 3 sem. hrs.**

Free composition in larger forms with opportunities for performance of original works for voices, instrumental combinations, or full orchestra.

**309 ORCHESTRATION 3 sem. hrs.**

Review of instruments: ranges, timbres, technical difficulties, and limitations. Arranging for combinations of instruments, full band and orchestra. Study of problems contained in standard repertory. Special attention to problems of school band and orchestra scoring.

**330 PEDAGOGY AND LITERATURE (brass, woodwind, percussion, voice, strings, piano, organ). 2 sem. hrs.**

Current methods of teaching, both class and individual instruction, with emphasis on technique and a comparison of the strengths and weaknesses of various teaching procedures. Survey of important literature and composers for each medium. May be repeated for credit when subject matter varies. More than one area may be taken concurrently.

**351 THE OPERA 2 sem. hrs.**

Historical development of the opera with emphasis on stylistic elements and trends of the various periods. Study of the plots and music through recordings, piano scores, full scores, as well as live performances.

**353 HYMNOLOGY 3 sem. hrs.**

A study of Christian hymns from early Greek and Roman times; covers the historical periods of development including outstanding hymn-writers and composers. Hymns are analyzed and studied with emphasis on their appropriate place in the church year. Various denominational hymnals are examined and evaluated.

**354 SACRED MUSIC REPERTOIRE 2 sem. hrs.**

Reading and evaluating choral literature of all periods covering motets, anthems, plainchant, and response for both adult and children's choir. Attention is given to organ music, instrumental music, and cantata and oratorio.

**357 MUSIC BIBLIOGRAPHY 2 sem. hrs.**

Introduction to methods of research. Critical examination of dictionaries, encyclopedias, catalogs and other aids to research.

**358 NOTATION 2 sem. hrs.**

Black notation in Medieval music: square, pre-Franconian. Tablatures and white notation in Renaissance solo and ensemble music.

**361 INSTRUMENTAL TECHNIQUES 3 sem. hrs.**

Problems and procedures in developing instrumental classes and organizations.

**363 CHORAL TECHNIQUES 2 sem. hrs.**

Clinical aspects of the chorus rehearsal, contemporary choral practices, repertoire and source material, interpretation and program building. Prerequisite: course in conducting or practical experience.

**366 TONAL MEASUREMENT 3 sem. hrs.**

Physical measurement of musical tone in relation to the problems in the classroom, the rehearsal, and the performance.

**371 MUSIC FOR THE EXCEPTIONAL CHILD 3 sem. hrs.**

Trends in music education for exceptional children. Techniques and materials for a functional program of singing, playing, listening, and creative activities based upon the needs of the exceptional child.

**377 MUSIC EDUCATION IN THE ELEMENTARY GRADES 3 sem. hrs.**

An advanced course dealing with the purposes, content, materials and teaching procedures in general music classes in elementary schools and including supervisory practices, in-service workshops and curriculum planning. Designed to meet the needs of music resource persons in elementary education, elementary classroom teachers, music teachers, and music supervisors. Prerequisite: Music 262 or 277.

**384 OPERA PRODUCTION 3 sem. hrs.**

Operas and operettas including the problems of presenting high school and college productions. Members of the class participate in the production of an opera or operetta. Prerequisite: approval of the Head of the Department of Music.



## *Special Offerings*

### WORKSHOPS, INSTITUTES, AND SELECTED STUDIES

(MAY BE OFFERED BY ANY DEPARTMENT IN ANY COLLEGE)

**193 WORKSHOP 1-6 sem. hrs.**

Workshop opportunities are provided for the purpose of permitting students to work on special problems not covered in any one course offered by the University. Topics for investigation by workshop participants are limited to areas in which the University is able to provide adequate workshop staff. Credit will be given by the department offering the workshop. Prerequisite: Departmental requirements in terms of work to be done. Six semester hours of workshop credit is the maximum which may be applied toward graduation.

**293 WORKSHOP 1-6 sem. hrs.**

Same as 193 except for senior-college students, who will be expected to do more advanced work than those working at the junior-college level.

**393 WORKSHOP 1-6 sem. hrs.**

Advanced workshop for juniors, seniors, and graduate students.

**397 INSTITUTE 1-9 sem. hrs.**

Federal and state-sponsored institutes or similar short term programs requiring treatment of subject matter of a special nature or for special groups. Credit will be given by the department offering the institute.

**189, 289, 389 SELECTED STUDIES 1-6 sem. hrs.**

Course content not offered within the framework of existing departmental courses. The topic to be covered will be identified in the class schedule booklet each semester. Experimental courses and courses cutting across departmental lines may be offered as selected studies. (During 1968-69, courses in General Studies—Higher Learning 100; Humanities I, 100; Humanities II, 101; and Afro-American Literature 200 were offered as selected studies but with the numbers as indicated.)

# Student Enrollment

## ON CAMPUS

<i>Second Semester 1967-68</i>	<i>Men</i>	<i>Women</i>	<i>Total</i>
Freshman .....	946	1676	2622
Sophomore .....	855	1383	2238
Junior .....	988	1262	2250
Senior .....	890	1202	2092
Unclassified (Undergraduate) .....	117	197	314
Masters & Non-Degree .....	703	528	1231
Specialist & Doctoral .....	77	6	83
Total .....	4576	6254	10830

<i>Summer 1968</i>			
Eight-Week Session .....	2282	2628	4910
Short Sessions .....	193	467	660
Post Session .....	636	556	1192
Total .....	3111	3651	6762

<i>First Semester 1968-69</i>			
Freshman .....	1447	2097	3544
Sophomore .....	1238	1587	2825
Junior .....	1101	1346	2447
Senior .....	1091	1419	2510
Unclassified (Undergraduate) .....	158	228	386
Masters & Non-Degree .....	762	585	1347
Specialist & Doctoral .....	94	10	104
Total .....	5891	7272	13163

## EXTENSION

Second Semester 1967-68 .....	149	282	431
Summer 1968 .....	67	275	342
First Semester 1968-69 .....	95	413	508

## *The Faculty*

The date following the name of the person indicates the year of joining the staff at this University.

**Charles F. Abbott (1967)**

Assistant to the Dean of Student Services.  
Assistant Professor of Education  
Ed. D., Michigan State University

**Arlene H. Abbs (1968)**

Instructor in Art  
M. A., Northern Illinois University

**Ellen M. Abshire (1960)**

Assistant Professor of Health and Physical Education for Women  
M. S., Indiana University

**Esther S. Adams (1967)**

Faculty Assistant in Home Economics  
B. S., University of Illinois

**Henry H. Adams (1968)**

Head of the Department of English, Professor of English  
Ph. D., Columbia University

**Jay H. Adams (1968)**

Instructor in Art  
M. S., Illinois State University

**Robert W. Adams (1965)**

Instructor of the Teaching of Chemistry in University High School  
M. A. Ed., Washington University

**Laura L. Addison (1962)**

Assistant Librarian, Assistant Professor of Library Science  
M. A., University of Denver

**Raymonde Adellach (1967)**

Instructor in Spanish  
M. A., University of Colorado

**Robert W. Akes (1967)**

Instructor in Business Education  
M. S. in Ed., Eastern Illinois University

**Richard N. Albert (1963)**

Instructor of the Teaching of English in University High School  
M. S., University of Wisconsin

**Michael A. Allen (1966)**

Instructor in Sociology  
M. S., Illinois State University

**Richard E. Allen (1963)**

Associate Professor of English  
Ph. D., Washington University

**Hazelle M. Anderson (1960)**

Assistant Professor of Library Science  
M. A., Northwestern University  
Leave of absence 2nd semester 1968-69

**Robert M. Anderson (1967)**

Associate Professor of Special Education  
Ed. D., University of Pittsburgh

**Louis E. Andrade (1967)**

Assistant Professor of Philosophy  
Ph. D., The University of Nebraska

**Edward A. Andreasen (1967)**

Associate Professor of Theatre  
M. A., Michigan State University

**Sheila C. Armitage (1967)**

Instructor in English  
M. A., Central Michigan University

**Donald J. Armstrong (1966)**

Assistant Professor of Music  
D. M. A., University of Texas

**Jessie L. Arnold (1967)**

Director of Randolph House, Instructor in Education  
M. Ed., University of Illinois

**Robert H. Arnold (1965)**

Assistant Professor of Geography  
M. A., Clark University

**William D. Ashbrook (1947)**

Professor of Industrial Technology  
Ph. D., University of Pittsburgh

**Lois R. Asper (1965)**

Faculty Assistant and Supervising Teacher in Metcalf  
B. S. in Ed., Illinois State University



**Eric Baber (1965)**

Director of Research Services and Grants.  
Professor of Education  
Ed. D., Michigan State University

**Dallas B. Bailey (1966)**

Dean of Residence Hall Programs, As-  
sistant Professor of Education  
Ph. D., Kent State University

**Nell C. Bailey (1968)**

Assistant Dean of Students, Instructor in  
Education  
M. E., Kent State University

**Paul J. Baker (1965)**

Assistant Professor of Sociology  
Ph. D., Duke University

**Sirje R. Baker (1967)**

Instructor in English  
M. A., Illinois State University

**Sharon S. Ball (1967)**

Instructor in English  
M. S. in Ed., Western Illinois University

**Linda L. Ballard (1968)**

Instructor and Supervising Teacher of  
the Deaf in Metcalf  
M. S. in Ed., Illinois State University

**K. Gerald Balls (1963)**

Assistant Professor of English  
M. S., Utah State University

**Lorraine S. Bangoura (1968)**

Assistant Librarian, Instructor in Library  
Science  
M. A., University of Denver

**Wilson P. Banks (1963)**

Assistant Professor of Mathematics  
M. S., University of Illinois

**G. Bradford Barber (1944)**

Professor of Speech  
Ph. D., Ohio State University

**George Barford (1947)**

Associate Professor of Art  
M. A., Teachers College, Columbia Uni-  
versity

**Randell M. Barnett (1968)**

Assistant to the Associate Dean of Facul-  
ties for Special Programs, Executive  
Assistant  
M. A., Kent State University

**Buford H. Bass (1951)**

Assistant Professor of Health and Physi-  
cal Education for Men  
Ed. D., Louisiana State University

**Helen M. Bass (1967)**

Faculty Assistant of the Teaching of Eng-  
lish in University High School  
B. S. in Ed., Illinois State University

**Janis S. Bastain (1966)**

Instructor and Supervising Teacher in  
Metcalf  
M. S., Indiana State Teachers College

**Robert J. Batson (1968)**

Professor of Political Science  
Ph. D., University of Chicago

**Paul W. Batty (1966)**

Instructor in Speech  
M. A., Northern Illinois University

**Adrian Baucom (1957)**

Assistant Professor of the Teaching of  
Mathematics in University High  
School  
M. A., University of Kentucky

**Robert H. Beamer (1967)**

Instructor in Elementary Education  
M. S. in Ed., Illinois State University

**Margaret A. Beard (1967)**

Instructor in Home Economics  
M. S., Ohio University

**John A. Beasley (1967)**

Guidance Counselor in University High  
School, Assistant Professor of Educa-  
tion  
D. Ed., Washington State University

**Kenneth R. Beckman (1960)**

Assistant Professor of Special Education  
Adv. Cert. in Ed., University of Illinois

**Edward R. Beebe (1968)**

Assistant Director of Manchester Hall.  
Instructor in Education  
M. Ed., University of Vermont

**Robert S. Behnke (1966)**

Instructor in Health and Physical Edu-  
cation for Men  
M. S. in Health and Safety, Indiana Uni-  
versity  
Leave of absence 1968-69 school year

**Patricia Behrens (1968)**

Faculty Assistant in Sociology and Tutor  
A. B., Hope College

**Carl J. Bell (1967)**

Lecturer in Psychology  
M. S. in Ed., Illinois State University

**Claude A. Bell (1956)**

Associate Professor of Industrial Tech-  
nology  
Ed. D., University of Missouri

**Dennis D. Bell (1968)**

Assistant Dean of the College of Educa-  
tion, Associate Professor of Education-  
al Administration  
Ph. D., The Ohio State University

- Ralph A. Bellas (1965)**  
Associate Professor of English  
Ph. D., University of Kansas
- Francis B. Belshe (1948)**  
Associate Dean of Faculties, Director of  
Summer Session, Professor of Educa-  
tion  
Ph. D., Yale University
- Helen W. Benjamin (1946)**  
Assistant Professor of Business Education  
M. A., Teachers College, Columbia
- Stephen A. Bennett (1965)**  
Instructor in Art  
M. A. T., Indiana University
- Ronald J. Berchert (1967)**  
Instructor in Art  
M. A., University of Illinois
- Charles R. Berger (1968)**  
Assistant Professor of Psychology  
Ph. D., Michigan State University
- Patricia T. Bertrand (1968)**  
Lecturer in Sociology  
M. S. S., Fordham University School of  
Social Service, New York
- Raymond L. Bess (1967)**  
Associate Director, Undergraduate Ad-  
missions, Executive Assistant  
M. Ed., University of Illinois
- Julia J. Bewsey (1960)**  
Assistant Librarian, Assistant Professor of  
Library Science  
M. A., Indiana University
- Douglas R. Bey (1944)**  
Professor of Mathematics  
Ph. D., University of Illinois
- C. Eric Bickley (1953)**  
Assistant Professor of Radio-Television-  
Film  
M. S., University of Wisconsin
- Martha R. Bickley (1964)**  
Instructor in Business Education  
M. S., Illinois State University
- Catherine L. Biggins (1968)**  
Assistant Director of Whitten Hall, Fac-  
ulty Assistant in Psychology  
B. A., College of St. Francis
- Allie Ward Billingsley (1949)**  
Professor of Spanish  
Ph. D., University of Illinois
- Ruth Bird (1950)**  
Assistant Professor of Health and Physi-  
cal Education for Women  
M. S., University of Illinois
- Dale E. Birkenholz (1962)**  
Professor of Ecology  
Ph. D., University of Florida
- Ferman Bishop (1960)**  
Professor of English  
Ph. D., University of Wisconsin  
Leave of absence 2nd semester 1968-69
- John D. Bishop (1966)**  
Instructor of the Teaching of English in  
University High School  
M. S. in Ed., Southern Illinois Univer-  
sity
- Lawrence E. Bitcon (1965)**  
Assistant Professor of Health and Physi-  
cal Education for Men  
Ed. D., University of Arkansas
- Alton J. Bjork (1968)**  
Professor of Education  
Ed. D., Teachers College, Columbia Uni-  
versity
- Warren J. Blackstone (1966)**  
Assistant Professor of History  
M. A., Brandeis University
- William N. Blake (1968)**  
Assistant Professor of Education  
Ph. D., University of Alberta, Canada
- E. Scott Blankenship (1956)**  
Professor of Education  
Ph. D., Ohio State University
- Emily J. Blasingham (1968)**  
Visiting Professor of Anthropology  
Ph. D., Indiana University
- Patricia A. Bleidt (1960)**  
Assistant Dean of Residence Hall Pro-  
grams, Assistant Professor of Music  
M. Mus., University of Oklahoma
- Roger D. Blomgren (1949)**  
Acting Head of the Department of In-  
dustrial Technology, Professor of In-  
dustrial Technology  
Ed. D., University of Illinois
- Barbara L. Blunk (1963)**  
Faculty Assistant of the Teaching of  
Business Education in University High  
School  
B. S. in Ed., Illinois State University
- A. Marie Boarman (1966)**  
Instructor in Health and Physical Edu-  
cation for Women  
M. S. in P. E., Pennsylvania State Uni-  
versity
- John K. Boaz (1965)**  
Assistant Professor of Speech  
M. A., Wayne State University

**Walter F. Bock (1966)**

Instructor in Art  
M. A., University of California, Berkeley

**Hermann W. Boeckmann (1965)**

Assistant Professor of the Teaching of  
Mathematics in University High  
School  
M. S. in Ed., Illinois State University

**James W. Bommarito (1967)**

Associate Professor of Special Education  
Ed. D., Wayne State University

**Joseph T. Bombelles (1968)**

Associate Professor of Economics  
Ph. D., Case Western University

**Arthur D. Bond (1966)**

Associate Professor of Chemistry  
Ph. D., University of Oregon

**Richard R. Bond (1966)**

Vice President of the University and  
Dean of Faculties, Professor of Zoology  
Ph. D., University of Wisconsin

**Minnieola R. Bonnell (1968)**

Instructor and Supervising Teacher of  
Art in Metcalf  
A. M., University of Illinois

**Harold J. Born (1961)**

Head of the Department of Physics, Pro-  
fessor of Physics  
Ph. D., Iowa State University

**John O. Bornhofen (1967)**

Assistant Professor of Economics  
Ph. D., University of Illinois

**J. Michael Bossert (1968)**

Assistant Professor of Mathematics  
M. S., University of Washington

**Mary L. Bouldin (1967)**

Assistant Professor of Home Economics  
M. S., University of Illinois

**Harold E. Boyd (1965)**

Assistant Professor of Art  
M. F. A., University of Kansas

**Stephen D. Boyd (1968)**

Instructor in Speech  
M. S., Kansas State College of Pittsburg

**Judith Boyer (1968)**

Assistant Director of Hewett Hall, In-  
structor in Education  
M. A., Illinois State University

**John F. Bradbury (1967)**

Assistant Professor of Library Science  
M. S., Simmons College

**Samuel E. Braden (1967)**

President, Professor of Economics  
Ph. D., University of Wisconsin

**Robert J. Brake (1968)**

Associate Professor of Speech  
Ph. D., Michigan State University

**Paul J. Brand (1958)**

Professor of Geography  
Ed. D. in Geography, Teachers College,  
Columbia University

**Alma B. Bremer (1950)**

Assistant Professor and Supervising  
Teacher of Home Economics for Ex-  
ceptional Children in Metcalf  
A. M., University of Illinois

**Jacquelyn H. Brigham (1967)**

Guidance Counselor and Instructor in  
University High School  
M. S., Illinois State University

**Thomas A. Brigham (1963)**

Director of Computer Services, Assistant  
Professor of Accounting  
M. S., Northern Illinois University;  
C.P.A.; C.D.P.

**Benton K. Bristol (1965)**

Associate Professor of Agriculture  
D. Ed., The Pennsylvania State Uni-  
versity

**Herman E. Brockman (1963)**

Professor of Genetics  
Ph. D., Florida State University  
Leave of absence 2nd semester 1968-69

**Robert B. Brome (1954)**

Assistant Professor of the Teaching of  
English in University High School  
M. A., Colorado State College

**Irene T. Brosnahan (1968)**

Assistant Professor of English  
M. A., University of Hawaii  
Leave of absence 1968-69 school year

**Leger N. Brosnahan (1968)**

Associate Professor of English  
Ph. D., Harvard University  
Leave of absence 1968-69 school year

**Edna C. Brown (1964)**

Instructor in Special Education  
M. S. in Ed., Illinois State University

**Francis R. Brown (1949)**

Director of University Extension and  
Field Services, Assistant Director of  
Summer Session, Professor of Mathe-  
matics  
Ed. D., University of Illinois

**Lauren E. Brown (1967)**

Assistant Professor of Vertebrate Zoology  
Ph. D., The University of Texas



**Lynn H. Brown (1960)**

Assistant Professor of the Teaching of  
Mathematics in University High  
School

M. S., The University of Iowa

**Mary Jo Brown (1967)**

Assistant Librarian, Assistant Professor  
of Library Science  
A. M., Indiana University

**R. Elizabeth Brown (1955)**

Professor of Psychology  
Ph. D., Northwestern University

**Roger C. Brown (1967)**

Instructor in English  
A. M., Indiana University

**Vivian R. Brown (1966)**

Instructor in English  
M. A., University of Chicago

**Walter H. Brown (1955)**

Professor of Botany  
Ph. D., University of Illinois

**Leonard A. Brubaker (1964)**

Associate Professor of Elementary Edu-  
cation  
Ph. D., The Ohio State University

**James F. Brubeck (1956)**

Assistant Professor of Marketing  
M. A., Ball State University

**James S. Bruno (1966)**

Assistant Director of Financial Aids, In-  
structor in Education  
M. S. in Ed., Illinois State University

**Elsie L. Bryan (1960)**

Instructor and Supervising Teacher of  
Home Economics in Metcalf  
M. S., Illinois State University

**Duane P. Buchanan (1965)**

Faculty Assistant in Health and Physical  
Education for Women  
B. S., University of Illinois

**David M. Buehlmann (1968)**

Assistant Professor of Accounting  
M. A. S., University of Illinois; C. P. A.

**Clinton R. Bunke (1967)**

Associate Professor of Education  
Ph. D., University of Iowa

**Cecilia P. Bunney (1945)**

Director of Museums and Professor  
Ph. D., State University of Iowa  
Leave of absence 2nd semester 1968-69

**Roger K. Bunting (1966)**

Assistant Professor of Chemistry  
Ph. D., The Pennsylvania State Uni-  
versity

**Harold Burns (1955)**

Controller of the University, Executive  
Assistant  
M. S., Illinois State University

**Edith F. Canning (1963)**

Instructor in Education  
M. S., University of Wisconsin

**George R. Canning, Jr. (1958)**

Professor of English  
Ph. D., University of Wisconsin

**R. Jerry Cantlon (1962)**

Assistant Professor of Education  
Ed. D., University of Colorado

**John R. Carlock (1951)**

Assistant Professor of the Teaching of  
Biological Sciences in University High  
School  
M. S. in Ed., Illinois State University

**Lessie Carlton (1955)**

Professor of Education  
Ed. D., The University of Houston

**Edmund J. Carney (1965)**

Assistant Professor of Foreign Languages  
A. M., University of Cincinnati

**Charlotte P. Carr (1968)**

Instructor in Home Economics  
M. Ed., University of Illinois

**Robin L. Carr (1968)**

Instructor in English  
M. S. in Ed., Illinois State University

**Dorothy H. Carrington (1961)**

Assistant Dean of Students, Associate  
Professor of Psychology  
Ed. D., Florida State University

**Conrad E. Carroll (1957)**

Assistant Professor of the Teaching of  
Mathematics in University High  
School  
M. A., Murray State College

**Susan J. Carter (1968)**

Instructor in Art  
M. F. A., Yale University

**D. Jean Carwile (1969)**

Instructor in English  
M. A., University of Virginia

**Valjean M. Cashen (1961)**

Associate Professor of Psychology  
Ed. D., Colorado State College

**Helen M. Cavanagh (1946)**

Professor of History  
Ph. D., University of Chicago

**Alice S. Chabora (1968)**

Assistant Professor of Genetics  
Ph. D., Cornell University

**Peter C. Chabora (1968)**

Assistant Professor of Ecology  
Ph. D., Cornell University

**Roger J. Champagne (1960)**

Head of the Department of History, Professor of History  
Ph. D., University of Wisconsin

**Nancy L. Chapman (1968)**

Instructor and Supervising Teacher of Health and Physical Education in Metcalf

M. A., The Ohio State University

**Robert E. Chapman (1968)**

Psychiatric Consultant in University Health Service and Professor  
M. D., Ohio State University

**Liliette C. Charest (1968)**

Instructor in Health and Physical Education for Women  
M. S., University of Maine

**Robert M. Chasson (1965)**

Associate Professor of Botany  
Ph. D., University of Missouri

**Patricia A. Chesebro (1963)**

Assistant Professor of Psychology  
Ph. D., University of Illinois

**Judith A. Chester (1968)**

Instructor of the Teaching of Home Economics in University High School  
M. S., Southern Illinois University

**Helen Chiles (1948)**

Assistant Professor of Latin  
A. M., University of Illinois

**Frank T. Chiodo (1963)**

Assistant Professor of the Teaching of Health and Physical Education in University High School

M. S. in Ed., Illinois State University  
Leave of absence 1968-69 school year

**Walter J. Chonowski (1968)**

Faculty Assistant of the Teaching of Physical Science in University High School

B. S., Illinois State University

**Tsan-Iang Chuang (1967)**

Assistant Professor of Botany  
Ph. D., University of California at Berkeley

**Dorothy W. Clark (1964)**

Assistant Professor of Speech  
M. A., University of Michigan

**Faith Clark (1958)**

Assistant Professor of Health and Physical Education for Women  
Ph. D., Florida State University

**Herbert E. Clark (1966)**

Associate Professor of Psychology  
Ph. D., Purdue University

**William R. Clarke (1967)**

Instructor in Mathematics  
M. S., The University of Iowa

**Stanley R. Clemens (1968)**

Assistant Professor of Mathematics  
Ph. D., University of North Carolina

**James D. Clemmons (1967)**

Supervisor of Off-campus Student Teaching, Assistant Professor of Education  
M. S., Indiana State University

**A. Kay Clifton (1968)**

Assistant Professor of Sociology  
M. A., University of Iowa

**Madge K. Cloud (1968)**

Instructor in English  
M. A., Northern Illinois University

**William E. Cloud (1963)**

Assistant Professor of English  
M. A., Western Illinois University

**Barbara B. Coblentz (1969)**

Instructor of the Teaching of Mathematics in University High School  
A. M. in Ed., The George Washington University

**Dwight O. Coblentz (1968)**

Supervisor of Off-campus Student Teaching, Assistant Professor of Education  
M. S., Northwestern University

**James D. Coe (1967)**

Assistant Professor of Education  
M. A., Clarke College

**Ira Cohen (1965)**

Assistant Professor of History  
B. A., City College of New York

**Garold L. Cole (1968)**

Assistant Librarian, Assistant Professor of Library Science  
M. L. S., University of Oklahoma

**Ruth L. Cole (1944)**

Assistant Professor and Supervising Teacher in Metcalf  
M. A., Northwestern University

**James E. Collie (1957)**

Professor of Health and Physical Education for Men  
P. E. D., Indiana University

**Lois R. Collier (1968)**

Instructor in Elementary Education  
M. S., Illinois State University

- Thomas E. Comfort (1965)**  
Head of the Department of Foreign Languages, Professor of French  
Ph. D., University of Illinois
- Arnold C. Condon (1964)**  
Professor of Business Education  
Ph. D., New York University
- Lawrence E. Connolly (1964)**  
Instructor of the Teaching of Speech in University High School  
A. M., University of Illinois
- David W. Conway (1969)**  
Faculty Assistant in Accounting  
B. A., Northwestern University; C. P. A.
- Janet M. Cook (1968)**  
Assistant Professor of Mathematics  
M. A., University of California, Berkeley
- Ronald L. Cook (1962)**  
Assistant Professor of Chemistry  
M. S. in Ed., Western Illinois University
- Robert W. Cosgrove (1965)**  
Instructor in English  
M. A., Purdue University
- David D. Costigan (1968)**  
Lecturer in History  
M. S. in Ed., Illinois State University
- Carrol B. Cox (1961)**  
Assistant Professor of English  
Ph. D., University of Michigan
- Delano K. Cox (1966)**  
Assistant Professor of Botany  
Ph. D., University of Illinois
- Dorothy Cox (1957)**  
Assistant Professor and Supervising Teacher in Metcalf  
M. A., George Peabody College for Teachers
- Virginia R. Crafts (1967)**  
Associate Professor of Health and Physical Education for Women  
Ed. D., Teachers College, Columbia University
- John C. Cralley (1963)**  
Assistant Professor of Zoology  
Ph. D., University of Illinois
- Robert L. Cramer (1958)**  
Assistant Professor of Physics  
M. S. in Ed., Illinois State University
- John E. Crew (1963)**  
Associate Professor of Physics  
Ph. D., University of Illinois
- Warren S. Crews (1951)**  
Assistant Professor of Health and Physical Education for Men  
M. S. in Ed., Illinois State University
- Robert L. Crist (1962)**  
Professor of Psychology  
Ph. D., Purdue University
- Barry J. Cronin (1968)**  
Assistant Professor of Radio-Television-Film  
Ph. D., University of Missouri
- Gary L. Cronkhite (1967)**  
Associate Professor of Speech and Psychology  
Ph. D., State University of Iowa
- Donald R. Cross (1966)**  
Assistant Professor of Health and Physical Education for Men  
M. S. in Ed., Southern Illinois University
- John H. Crotts (1968)**  
Associate Professor of Elementary Education  
Ed. D., University of Missouri
- Ferne S. Crouse (1968)**  
Supervisor of Off-campus Student Teaching, Assistant Professor of Education  
Adv. Cert., University of Illinois
- Richard D. Crumley (1962)**  
Associate Professor of Mathematics  
Ph. D., University of Chicago
- L. Dale Cruse (1967)**  
Assistant Professor of Health and Physical Education for Men  
Ed. D., University of Southern Mississippi
- Alfred A. Culver (1961)**  
Associate Professor of Agriculture  
Ph. D., Purdue University
- Gerald A. Curl (1963)**  
Director of Financial Aids, Assistant Professor of Business Education  
M. S., University of Illinois  
Leave of absence 1968-69 school year
- DeVerne H. Dalluge (1947)**  
Professor of the Teaching of Physics in University High School  
Ed. D., University of Kentucky
- Frances L. Damm (1948)**  
Assistant Professor and Supervising Teacher in Metcalf  
M. S. in Ed., University of Wisconsin
- William L. Daniel (1967)**  
Assistant Professor of Genetics  
Ph. D., Michigan State University
- James F. Darrow (1968)**  
Instructor in Art  
M. A., St. Francis College



**Keith C. Davidson (1959)**

Assistant Professor of Speech  
M. A., Teachers College, Columbia University

**Lillian S. Davies (1963)**

Associate Professor of Elementary Education  
Ph. D., University of Minnesota

**Donald E. Davis (1964)**

Assistant Professor of History  
A. M., Indiana University

**Jerry L. Davis (1968)**

Assistant Professor of Speech  
Ph. D., University of Kansas

**De Ann O. Dawes (1967)**

Instructor in Speech  
M. A., University of Utah

**Tella Marie DeBose (1968)**

Assistant Professor of Music  
M. Mus., Oberlin Conservatory of Music

**C. Richard Decker (1968)**

Assistant Professor of Marketing  
Ed. D., Indiana University

**Elizabeth C. Deckwerth (1963)**

Instructor in Music  
M. M., Illinois Wesleyan University

**Grace A. DeGirolamo (1968)**

Assistant Professor of Special Education  
M. Ed., University of Illinois

**Nancy H. Deighton (1966)**

Instructor in Health and Physical Education for Women  
M. Ed. in P. E., University of Oklahoma

**Dianne S. DeLong (1967)**

Instructor and Assistant Librarian in University High School  
A. M. L. S., University of Michigan

**Douglas A. DeLong (1967)**

Assistant Librarian, Instructor in Library Science  
M. S., University of Illinois

**August R. Demma (1968)**

Instructor in Geography  
A. M., University of Illinois

**Curtis L. Denny (1964)**

Assistant Director for Registration and Statistics, Assistant Professor of Education  
M. S. in Ed., Southern Illinois University

**Richard L. Desmond (1967)**

Assistant to the Vice President of the University and Dean of Faculties, Acting Dean of the College of Fine Arts,

Associate Professor of Educational Administration

Ph. D., University of Michigan

**Eleanor Dilks (1952)**

Professor of Zoology  
Ph. D., University of Wisconsin  
Leave of absence 2nd semester 1968-69

**Joan C. Dobbratz (1967)**

Instructor in Geography  
M. S., Indiana State University

**C. LeRoy Dohleman (1964)**

Assistant Professor of Business Education  
M. Ed., University of Illinois

**Paul F. Dohrmann (1961)**

Associate Professor and Supervising Teacher of Health and Physical Education in Metcalf  
Ph. D., State University of Iowa

**Rex E. Dorethy (1964)**

Instructor in Art  
M. S., Illinois State University

**Edmund T. Dorner (1967)**

Instructor in Industrial Technology  
M. S. in Ed., Illinois State University

**John A. Dossey (1967)**

Instructor in Mathematics  
M. S., Illinois State University

**Leven M. Dowdall (1957)**

Assistant Professor of Industrial Technology  
M. S. in Ed., Illinois State University

**James R. Downing (1962)**

Assistant Professor of Mathematics  
M. A., University of Illinois

**Pauline S. Drawver (1956)**

Associate Professor of English  
Ph. D., University of Illinois

**George M. Drew, Jr. (1962)**

Acting Head of the Department of Elementary Education, Professor of Elementary Education  
Ph. D., University of Iowa

**Elaine K. Dunbar (1968)**

Instructor in Mathematics  
M. S., Illinois State University

**Robert L. Duncan (1961)**

Associate Professor of English  
Ph. D., Indiana University

**Dorothy T. Dunfee (1968)**

Instructor in English  
M. A., Teachers College, Columbia University

**Thomas W. Dunfee (1968)**

Assistant Professor of Business Law  
J. D., New York University

**Joseph T. Durham (1968)**

Associate Dean of the College of Education, Professor of Education  
Ed. D., Teachers College, Columbia University

**Robert C. Duty (1963)**

Professor of Chemistry  
Ph. D., State University of Iowa

**Christine N. Eakins (1967)**

Instructor in Business Education  
M. A., Michigan State University

**Ralph E. Eakins (1967)**

Instructor of the Teaching of Social Sciences in University High School  
M. A., State University of Iowa

**Leo E. Eastman (1954)**

Head of the Department of Education, Professor of Education  
Ed. D., University of North Dakota

**Beulah E. Easton (1968)**

Faculty Assistant in English  
A. B., Colorado State College

**William W. Easton (1964)**

Assistant Librarian, Assistant Professor of Library Science  
M. A., University of Denver

**Scott C. Eatherly (1962)**

Assistant Professor of English  
M. S., University of Wisconsin

**Alice L. Ebel (1934)**

Head of the Department of Political Science, Professor of Political Science  
Ph. D., University of Illinois

**Elinor H. Ebeling (1968)**

Assistant Professor of Library Science  
M. A. L. S., University of Michigan

**Dorathy Eckelmann (1945)**

Professor of Speech Pathology  
Ph. D., University of Iowa

**Albert H. Eckert (1955)**

Assistant Professor of the Teaching of Mathematics in University High School  
M. S., University of Illinois

**Orlyn P. Edge (1966)**

Associate Professor of Mathematics  
Ph. D., University of Iowa

**Charles W. Edwards (1964)**

Associate Professor of Educational Administration  
Ph. D., University of Iowa

**Clifford H. Edwards (1968)**

Assistant Professor of Education  
Ed. D., University of Utah

**Duane D. Edwards (1968)**

Assistant Professor of English  
Ph. D., University of Wisconsin

**Philip P. Edwards (1965)**

Assistant Professor of Physics  
M. A., George Peabody College for Teachers

**Shirley A. Edwards (1967)**

Instructor of the Teaching of English in University High School  
M. A., George Peabody College for Teachers

**Thomas F. Edwards (1957)**

Associate Professor of Chemistry  
Ed. D., Michigan State University

**Elwood F. Egelston (1962)**

Professor of Educational Administration  
D. Ed., University of Oregon

**Lawrence C. Egan (1968)**

Associate Professor of Mathematics  
Ph. D., University of Oregon

**Ray E. Eiben (1967)**

Assistant Professor of Education  
Ph. D., The Ohio State University

**Alice M. Eikenberry (1945)**

Professor of the Teaching of History in University High School  
Ed. D., Teachers College, Columbia University

**Frances E. Elfstrand (1966)**

Assistant Professor of Business Law  
J. D., University of Illinois

**Ralph A. Elliott (1963)**

Assistant Director of the University Health Service, Professor  
M. D., Northwestern University Medical School

**Mary E. Elmendorf (1957)**

Instructor in Education  
M. S., University of Wisconsin  
Leave of absence 1968-69 school year

**Robert W. Elsey (1967)**

Coordinator of Student Activities, Assistant Professor of Education  
Ph. D., Purdue University

**Edna Engberg (1951)**

Assistant Professor and Supervising Teacher of Health and Physical Education in Metcalf  
M. Ed., University of Michigan

**Preston Ensign (1943)**

Coordinator of Campus Planning, Executive Assistant  
B. Ed., Illinois State University

**Gertrude Erbe (1949)**

Assistant Professor and Supervising  
Teacher of Music in Metcalf  
M. M., Northwestern University

**J. Gary Erisman (1967)**

Instructor in Industrial Technology  
M. S. in Ed., Illinois State University

**Marcia D. Escott (1966)**

Instructor in English  
M. A., Ball State University

**Stanley B. Escott (1966)**

Assistant to the Vice President of the Uni-  
versity and Dean of Student Services,  
Assistant Professor of Psychology  
Ph. D., Purdue University

**Raymond W. Esworthy (1949)**

Head of the Department of Accounting,  
Professor of Accounting  
Ph. D., University of Illinois

**George A. Evanoff (1968)**

Director of Personnel Services, Executive  
Assistant  
B. S., Southern Illinois University

**G. Harlowe Evans (1946)**

Professor of Chemistry  
Ph. D., University of Michigan

**Dorothy S. Fagerburg (1957)**

Assistant Professor of Library Science  
M. A., Occidental College

**Lloyd W. Farlee (1962)**

Associate Professor of Music  
Ph. D., University of Iowa

**Louise Farmer (1951)**

Assistant Professor and Supervising  
Teacher in Metcalf  
M. S. in Ed., University of Illinois

**Donald J. Farrimond (1968)**

Instructor and Supervising Teacher of  
the Educable Mentally Handicapped  
in Metcalf  
M. S., Illinois State University

**Roger R. Faulmann (1967)**

Instructor in Music  
M. M., University of Michigan

**Ethel G. Feicke (1962)**

Assistant Dean of Students, Counselor  
for Continuing Education, Assistant  
Professor of Education  
M. S. in Ed., Illinois State University  
Leave of absence 1968-69 school year

**Germaine E. Feldkamp (1960)**

Assistant Director of Haynie Hall, Facul-  
ty Assistant in Education  
Chicago College of Music; Northwestern  
School of Speech; University of Illinois

**Evelyn Feltner (1967)**

Assistant Professor of English  
M. A., University of Louisville

**Dorothy E. Fensholt (1951)**

Professor of Botany  
Ph. D., Northwestern University

**Geraldine K. Fergen (1969)**

Professor of Special Education  
Ed. D., University of Missouri

**A. Gordon Ferguson (1964)**

Associate Professor of Spanish  
Ph. D., University of Nebraska

**John W. Ferrell (1961)**

Associate Professor of Music  
Ph. D., State University of Iowa

**Edmund F. Ficek (1966)**

Assistant Professor of Business Law  
J. D., University of Illinois

**Eileane H. Fielding (1961)**

Instructor of the Teaching of English in  
University High School  
M. S. in Ed., Illinois State University

**Howard I. Fielding (1944)**

Professor of English  
Ph. D., University of Wisconsin

**Gary L. Fish (1966)**

Assistant Professor of Accounting  
M. A. S., University of Illinois; C. P. A.

**James L. Fisher (1960)**

Vice President of the University and  
Dean of Information and Research  
Services, Executive Assistant to the  
President, Associate Professor of Psy-  
chology  
Ph. D., Northwestern University

**Roger L. Fisher (1967)**

Instructor of the Teaching of Health and  
Physical Education in University High  
School  
M. S., Illinois State University

**Kenneth L. Fitch (1963)**

Associate Professor of Anatomy  
Ph. D., University of Michigan  
Leave of absence 1968-69 school year

**Eugene D. Fitzpatrick (1965)**

Associate Professor of Psychology  
Ed. D., Colorado State College of Edu-  
cation

**James B. Fitzpatrick (1968)**

Assistant Professor of Music  
Ph. D., University of Iowa

**Alverna D. Flickinger (1965)**

Faculty Assistant in Speech  
B. S. in Ed., Illinois State University



- George P. Foeller (1960)**  
Assistant Professor of Music  
M. A., University of Connecticut
- Flora H. Foltz (1968)**  
Instructor in Special Education  
M. S. in Ed., Southern Illinois University
- George R. Foltz (1968)**  
Assistant Professor of Elementary Education  
M. S., New Mexico Highlands University
- Frank J. Fonsino (1968)**  
Assistant Director of Manchester Hall,  
Faculty Assistant in History  
B. A., Greenville College
- J. Anne Foreman (1958)**  
Assistant Professor and Supervising  
Teacher of French in Metcalf  
M. A., University of Illinois
- George W. Forgey (1967)**  
Lecturer in Agriculture  
M. Ed., University of Illinois
- Beverly J. Foster (1967)**  
Instructor in Health and Physical Education for Women  
M. A., University of Minnesota
- Jerry D. Foster (1965)**  
Instructor and Supervising Teacher of  
Health and Physical Education in Metcalf  
M. S. in Ed., Northern Illinois University
- Veronique Fourre (1969)**  
Instructor in French  
Diplôme d'Etudes Supérieures (M.A.),  
Université de Bordeaux
- D. Franklin Fox (1967)**  
Assistant Professor of Mathematics  
Ph. D., University of Nebraska
- Charles P. Frahm (1968)**  
Assistant Professor of Physics  
Ph. D., Georgia Institute of Technology
- Audrey B. Francis (1966)**  
Instructor in Elementary Education  
M. A., University of Iowa
- Charles E. Francis (1966)**  
Instructor in Industrial Technology  
M. A., Western Michigan University
- Keith M. Fred (1967)**  
Instructor in Health and Physical Education for Men  
M. S., Eastern New Mexico University
- Paul B. Frederic (1968)**  
Instructor in Geography  
M. S., Southern Illinois University
- John L. Frehn (1962)**  
Associate Professor of Physiology  
Ph. D., The Pennsylvania State University
- Bernice G. Frey (1930)**  
Professor of Health and Physical Education for Women  
Ph. D., University of Iowa
- Ruth M. Freyberger (1951)**  
Professor of Art  
Ed. D., The Pennsylvania State University
- Walter H. Friedhoff (1958)**  
Head of the Department of Psychology,  
Professor of Psychology  
Ph. D., State University of Iowa
- Leo H. Frigo (1966)**  
Assistant Director of University Health  
Service and Associate Professor  
M. D., Chicago Medical School
- William Frinsko (1961)**  
Professor of Elementary Education  
Ed. D., Wayne State University  
Leave of absence 1st semester 1968-69
- Suzanne M. Frossard (1967)**  
Instructor of the Teaching of Health and  
Physical Education in University High  
School  
M. S. in P. Ed., Indiana University
- Harold E. Frye (1931)**  
Assistant Professor of Health and Physical Education for Men  
M. A., New York University
- William D. Fuehrer (1963)**  
Associate Professor of the Teaching of  
German in University High School  
Ph. D., University of Michigan
- Frederick W. Fuess (1963)**  
Associate Professor of Agriculture  
Ph. D., Michigan State University
- Vytas V. Gaigalas (1965)**  
Associate Professor of French  
Ph. D., University of Colorado
- Leo O. Garber (1967)**  
Professor of Educational Administration  
Ph. D., University of Chicago
- George L. Gardiner (1967)**  
Assistant Librarian, Instructor in Library Science  
M. A., The University of Chicago
- Neil F. Garvey (1969)**  
Visiting Professor of Political Science  
Ph. D., University of Illinois

**Dixie E. Gibbons (1968)**

Assistant Director of Atkin Hall, Faculty  
Assistant in Psychology  
A. B., Indiana Central College

**Harold E. Gibson (1950)**

Vice President of the University and  
Dean of Special Services, Director of  
the Bureau of Appointments, Professor  
of Education  
Ed. D., University of Missouri

**Judith L. Gilbert (1968)**

Instructor in Health and Physical Edu-  
cation for Women  
M. S., University of Washington

**Marjorie B. Giles (1966)**

Director of Haynie Hall, Instructor in  
Education  
M. A., McCormick Theological Semi-  
nary

**Arley F. Gillett (1944)**

Head of the Department of Men's Physi-  
cal Education, Health and Athletics;  
Director of Athletics; Professor of  
Health and Physical Education for  
Men  
P. E. D., Indiana University

**Hal M. Gilmore (1956)**

Assistant Professor of Mathematics  
M. A., Western Kentucky State College

**Victor E. Gimmestad (1948)**

Professor of English  
Ph. D., University of Wisconsin  
Leave of absence 1968-69 school year

**George Girardi, Jr. (1963)**

Assistant Professor of the Teaching of  
Health and Physical Education in Uni-  
versity High School  
M. S., Illinois State University

**Irvin N. Gleim (1968)**

Assistant Professor of Accounting  
M. S., University of Illinois; C. P. A.

**William J. Gnagey (1961)**

Professor of Psychology  
Ph. D., Wayne State University

**Richard Godfrey (1963)**

Director of News and Publication Serv-  
ice, Executive Assistant  
B. S. in Ed., Illinois State University

**Barbara L. Goebel (1965)**

Instructor in Psychology  
M. A., Illinois State University

**John T. Goeldi (1967)**

Assistant Professor of Elementary Edu-  
cation  
Ph. D., Michigan State University

**Joann K. Goetzinger (1967)**

Instructor in Music  
M. M., American Conservatory of Music

**William J. Goggin (1967)**

Faculty Assistant in Economics  
B. A., Illinois State University

**Robert C. Goodall (1967)**

Supervisor of Off-campus Student Teach-  
ing and Assistant Professor of Educa-  
tion  
Ed. D., Indiana University

**Laura E. Gowdy (1967)**

Assistant Librarian, Assistant Professor of  
Library Science  
M. S., University of Illinois

**Joseph L. Grabill (1968)**

Associate Professor of History  
Ph. D., Indiana University

**Charles E. Gray, Jr. (1959)**

Assistant Professor of the Teaching of  
History and Coordinator of the Teach-  
ing of History in University High  
School and the Department of History  
Ed. D., University of Illinois

**J. Imogene Gray (1967)**

Faculty Assistant of the Teaching of  
Health and Physical Education in Uni-  
versity High School  
B. S. in Ed., Southern Illinois University

**Miriam Gray (1946)**

Professor of Health and Physical Educa-  
tion for Women  
Ed. D., Teachers College, Columbia Uni-  
versity

**Ronald K. Green (1967)**

Assistant Director, Graduate and Foreign  
Admissions, Assistant Professor of Psy-  
chology  
M. A., Southern Illinois University

**Glen E. Greenseth (1960)**

Assistant Professor of Physics  
M. A., Washington University

**Ivo P. Greif (1961)**

Professor of Elementary Education  
Ed. D., Wayne State University

**Glenn A. Grever (1965)**

Assistant Professor of English  
M. S. in Ed., Illinois State University

**Jan K. Grever (1963)**

Instructor of the Teaching of Business  
Education in University High School  
M. S., Illinois State University

**Robert P. Griffin (1967)**

Instructor in English  
B. A., Hofstra College, Hempstead, New  
York

**Glenn S. Gritzmacher (1962)**

Assistant Librarian, Assistant Professor of  
Library Science

M. S. in L. S., University of Wisconsin  
Leave of absence 1968-69 school year

**Marlene M. Gruenewald (1965)**

Director of Whitten Hall, Instructor in  
Education

M. S. in Ed., Southern Illinois University

**Audrey J. Grupe (1968)**

Associate Professor of Psychology  
Ph. D., University of Illinois

**Stanley E. Grupp (1957)**

Associate Professor of Sociology  
Ph. D., Indiana University

**Kwang-Chul Ha (1967)**

Associate Professor of Mathematics  
Ph. D., The University of North Carolina

**Perry R. Hackett (1949)**

Assistant Professor of Music  
M. Mus., Northwestern University  
Leave of absence 1968-69 school year

**Dean S. Hage (1959)**

Professor of Special Education  
Ph. D., State University of Iowa

**Virginia R. Hager (1966)**

Supervisor of Off-campus Student Teach-  
ing and Instructor in Education  
M. S. in Ed., Illinois State University

**Ronald S. Halinski (1968)**

Assistant Professor of Education  
Ph. D., University of Iowa

**Barbara C. Hall (1957)**

Professor of Health and Physical Educa-  
tion for Women  
Ed. D., Teachers College, Columbia Uni-  
versity

**Judith B. Hall (1964)**

Instructor in Health and Physical Edu-  
cation for Women  
M. S., University of Oregon

**Judith C. Hall (1968)**

Assistant Professor of Art  
M. A., Columbia University

**James A. Hallam (1966)**

Administrative Assistant to the Dean of  
the College of Business, Associate Pro-  
fessor of Accounting  
Ph. D., University of Iowa

**Linda F. Hamilton (1967)**

Instructor in Mathematics  
M. S., Illinois State University

**Cleta M. Hanebuth (1967)**

Instructor in Chemistry  
M. S., The University of Chicago

**Richard A. Hanus (1966)**

Instructor in English  
M. A., Purdue University

**Imogene L. Hany (1969)**

Faculty Assistant of the Teaching of  
Mathematics in University High  
School

B. S. in Ed., Illinois State University

**Warren R. Harden (1954)**

Head of the Department of Economics,  
Coordinator of Academic Planning,  
Professor of Economics  
Ph. D., Indiana University

**Clarence W. Hardiman (1964)**

Associate Professor of Physiology  
Ph. D., Florida State University

**Doris M. Hardine (1947)**

Assistant Professor of Music  
M. M., Eastman School of Music

**V. Carolyn Harper (1968)**

Assistant Professor of Library Science  
M. A., George Peabody College for  
Teachers

**Alice O'B. Harris (1952)**

Assistant Professor and Supervising  
Teacher—Primary Educable Mentally  
Handicapped in Metcalf  
M. S. in Ed., University of Illinois

**Archibald Harris (1957)**

Assistant Professor of Health and Physi-  
cal Education for Men  
M. A., State University of Iowa

**Charles B. Harris (1968)**

Assistant Professor of English  
M. A., Southern Illinois University

**Otto D. Harris (1967)**

Assistant Professor of Art  
M. A., Teachers College, Columbia Uni-  
versity

**Howard N. Harrison (1967)**

Development Coordinator of Health-  
Related Programs, Associate Professor  
of Physiology and Health Sciences  
Ph. D., Cornell University

**Gerald L. Hart (1967)**

Instructor in Health and Physical Edu-  
cation for Men  
M. S. in Ed., Southern Illinois University

**Richard R. Hart (1961)**

Associate Professor of Geology  
Ph. D., State University of Iowa

**W. Douglas Hartley (1954)**

Assistant Professor of Art  
M. F. A., Kansas City Art Institute



**Ronald D. Hartwell (1967)**

Faculty Assistant in English  
A. B., Indiana University

**Mostafa F. Hassan (1968)**

Associate Professor of Economics  
Ph. D., University of Wisconsin

**Donald J. Hatch (1967)**

Assistant Professor of Music  
M. Mus., University of Oklahoma

**Robert G. Hathway (1966)**

Associate Professor of Mathematics  
Ph. D., University of Wisconsin

**Ruby A. Hauseman (1967)**

Assistant Professor of Theatre  
Ph. D., University of Illinois

**Virginia K. Hawkins (1968)**

Instructor in Elementary Education  
M. S. in Ed., Illinois State University

**Kelly R. Hearn (1966)**

Director of Jefferson House, Instructor in  
Education  
M. Ed., Ohio University

**Lawrence A. Heintzman (1967)**

Faculty Assistant and Supervising Teacher  
of Industrial Technology in Metcalf  
B. S. in Ed., Illinois State University

**John M. Heissler, Jr. (1961)**

Professor of English  
Ph. D., University of Illinois

**Carl D. Heldt (1948)**

Assistant Professor of Health and Physical  
Education for Men  
M. P. E., Purdue University

**Arlan C. Helgeson (1951)**

Dean of the Graduate School, Professor  
of History  
Ph. D., University of Wisconsin

**Candace A. Helgeson (1958)**

Instructor in English  
A. M., University of Illinois

**Dolores A. Hellweg (1965)**

Assistant Professor and Supervising  
Teacher of Health and Physical Education  
at Metcalf  
M. S. in P. E., University of California  
Leave of absence 1968-69 school year

**Robert E. Hemenway (1964)**

Associate Professor of Special Education  
Ed. D., Boston University School of Education

**Doris E. Henderson (1966)**

Instructor in Health and Physical Education  
for Women  
M. A., Northwestern University

**Janet K. Henderson (1966)**

Instructor in English  
M. A., Western Illinois University

**Robert P. Hendon (1967)**

Associate Professor of Education  
Ph. D., University of Oklahoma

**Ruth Henline (1926)**

Professor of English  
Ph. D., Northwestern University

**Richard J. Hentz (1967)**

Lecturer in Art  
M. S. in Ed., Northern Illinois University

**Roger E. Herberts (1963)**

Assistant Professor of Industrial Technology  
M. S. in Ed., Illinois State University

**Henry J. Hermanowicz (1959)**

Dean of the College of Education, Professor  
of Education  
Ed. D., Teachers College, Columbia University

**James M. Hershberger (1967)**

Instructor in Health and Physical Education  
for Men  
M. A., Northeast Missouri State College

**Jerry H. Hess (1969)**

Executive Assistant for Space Analysis  
and Programming  
B. A., University of Kansas

**Howard R. Hetzel (1962)**

Professor of Zoology  
Ph. D., University of Washington

**Charles R. Hicklin (1960)**

Professor of Education  
Ed. D., University of Illinois

**G. Alan Hickrod (1967)**

Associate Professor of Educational Administration  
Ed. D., Harvard University

**Jerry G. Higgins (1968)**

Assistant Professor of Chemistry  
Ph. D., University of Arizona

**Lynne P. Higgins (1963)**

Assistant Professor of Health and Physical  
Education for Women  
M. A., State University of Iowa

**Janet C. Hildreth (1965)**

Instructor and Supervising Teacher of  
the Younger Physically Handicapped  
in Metcalf  
M. S. in Ed., Illinois State University

**Eugene L. Hill (1930)**

Professor of Health and Physical Education  
for Men

- Ed. D., Colorado State College of Education  
On leave Nov. 4, 1968 to March 18, 1969
- John S. Hill (1962)**  
Professor of English  
Ph. D., University of Wisconsin
- Mary L. Hill (1965)**  
Assistant Professor of Home Economics  
Adv. Cert., University of Illinois
- Mary A. Hillman (1968)**  
Director of Colby Hall, Instructor in Education  
M. S., Florida State University
- James J. Hirstein (1968)**  
Instructor in Mathematics  
M. S., Illinois State University
- Norman J. Hocking (1963)**  
Instructor in English  
M. S., Purdue University
- Hallie H. Hoffarth (1966)**  
Instructor in Mathematics  
M. S., Illinois State University
- John C. Hoffman (1968)**  
Instructor in English  
M. A., University of Iowa
- Robert A. Hogan (1963)**  
Associate Professor of Psychology  
D. Ed., Western Reserve University
- Retha B. Holder (1968)**  
Instructor and Supervising Teacher in Metcalf  
M. S. in Ed., Southern Illinois University
- Robert E. Holdridge (1965)**  
Assistant Professor of Education  
Ed. M., University of South Dakota
- Bernice Holliday (1957)**  
Director of Barton Hall, Faculty Assistant in Education  
B. Ed., Western Illinois University
- Joy A. Holm (1966)**  
Assistant Professor of Art  
Ph. D., University of Minnesota
- Frank J. Holmes (1962)**  
Professor of Psychology  
Ph. D., New York University
- Roger M. Holmes (1966)**  
Assistant Dean of Residence Hall Programs, Instructor in Education  
M. S. in Ed., Indiana University
- Niles R. Holt (1968)**  
Assistant Professor of History  
Ph. D., Yale University
- Gerlof D. Homan (1968)**  
Associate Professor of History  
Ph. D., University of Kansas
- Joseph C. Honan (1968)**  
Associate Professor of Political Science  
Ph. D., University of Missouri
- Max L. Honn (1932)**  
Assistant Director of University Press,  
Assistant Professor of Industrial Technology  
M. S., The Pennsylvania State University
- F. Louis Hoover (1944)**  
Professor of Art  
Ed. D., New York University  
Leave of absence 1st semester 1968-69
- James E. House (1966)**  
Assistant Professor of Chemistry  
M. A., Southern Illinois University
- Bonita D. Howard (1966)**  
Instructor in Health and Physical Education for Women  
M. S. in Ed., Southern Illinois University
- Charles E. Howard (1967)**  
Associate Professor of Theatre  
M. F. A., Carnegie Institute of Technology
- James M. Howard (1966)**  
Assistant Professor of Elementary Education  
M. A. in Ed., University of Kentucky
- James M. Howard (1968)**  
Assistant Director, Undergraduate Admissions, Executive Assistant  
M. S. in Ed., Illinois State University
- Merle R. Howard (1966)**  
Assistant Professor of Speech Pathology  
M. S., Southern Illinois University
- Verna A. Hoyman (1946)**  
Assistant Professor of English  
M. A. in Ed., Northwestern University
- Quinn L. Hrudka (1962)**  
Supervisor of Off-campus Student Teaching and Associate Professor of Education  
Ed. D., Indiana University
- Lucy Jen Huang (1967)**  
Associate Professor of Sociology  
Ph. D., University of Chicago
- Benjamin C. Hubbard (1961)**  
Head of the Department of Educational Administration, Professor of Educational Administration  
Ed. D., University of Alabama  
Leave of absence 1st semester 1968-69

**Ruth C. Huggins (1937)**

Associate Director of University High School, Assistant Professor of the Teaching of English  
Ed. M., Harvard University

**Elizabeth A. Hughes (1954)**

Assistant Professor and Supervising Teacher of the Partially Seeing in Metcalf  
M. Ed., Wayne State University

**Harry W. Huizinga (1967)**

Assistant Professor of Parasitology  
Ph. D., The University of Connecticut

**Richard E. Hulet (1956)**

Vice President of the University and Dean of Student Services, Professor of Education  
Ed. D., University of Illinois

**Ruby M. Hundley (1969)**

Supervisor of Off-campus Student Teaching and Instructor in Education  
M. A., Teachers College, Columbia University

**Raymond H. Hunt (1965)**

Associate Professor of Chemistry  
Ph. D., University of Illinois

**Mary M. Huser (1966)**

Supervisor of Off-campus Student Teaching and Associate Professor of Education  
Ed. D., University of Illinois

**Barbara B. Hutchinson (1966)**

Associate Professor of Speech Pathology  
Ph. D., University of Utah

**Samuel Hutter (1955)**

Assistant Professor of Psychology  
M. S., University of Illinois

**Virgil R. Hutton (1960)**

Associate Professor of English  
Ph. D., University of Michigan  
Leave of absence 2nd semester 1968-69

**Lucile Hyneman (1959)**

Assistant Professor of English  
A. M., Columbia University

**Joan P. Ichniowski (1967)**

Instructor in English  
M. S., Purdue University

**Thaddeus C. Ichniowski (1961)**

Acting Assistant Dean of the College of Arts and Sciences, Professor of Chemistry  
Ph. D., Purdue University

**E. Carmen Imel (1964)**

Assistant Professor of Health and Physical Education for Women  
Ph. D., University of Iowa

**Leslie M. Isted (1940)**

Professor of Music  
Ph. D., Indiana University

**Hiroshi Itoh (1968)**

Assistant Professor of Political Science  
Ph. D., University of Washington

**Dolores J. Ivanchich (1966)**

Instructor in Music  
M. M., University of Wisconsin

**Eugene H. Jabker (1968)**

Associate Professor and Director of Research for Metcalf School and University High School, Lecturer in Psychology, and Staff Associate in the Office of Research Services and Grants  
Ph. D., Washington University

**Irving Jacks (1968)**

Associate Professor of Psychology  
Ph. D., New York University

**Bryant H. Jackson (1960)**

Associate Director of Libraries, Assistant Professor of Library Science  
M. S. in L. S., University of Southern California

**Donette D. Jackson (1966)**

Instructor in Business Education  
M. A., University of Kentucky

**Harry O. Jackson (1955)**

Assistant Professor of Biological Sciences  
M. S. in Ed., Illinois State University

**Ned T. Jackson (1968)**

Visiting Lecturer in Special Education  
M. A., Western Michigan University

**Claire M. Jacobs (1968)**

Supervisor of Off-campus Student Teaching and Assistant Professor of Education  
Ed. D., Northern Illinois University

**Dorothy A. Jacobs (1963)**

Assistant Professor of English  
A. M., Colorado State College  
Leave of absence 1968-69 school year

**Eugene S. Jacobs (1962)**

Assistant Professor of Mathematics  
A. M., State University of South Dakota

**Danny J. James (1967)**

Instructor in Business Education  
M. S. in Ed., Eastern Illinois University  
Leave of absence 1968-69 school year

**Jeannie H. James (1959)**

Associate Professor of Home Economics  
D. Ed., Pennsylvania State University

**Kenneth E. James (1962)**

Associate Professor of Agriculture  
Ed. D., University of Missouri



**Philip James (1963)**

Assistant Professor and Supervising  
Teacher of Art in Metcalf  
M. A., Teachers College, Columbia Uni-  
versity  
Leave of absence 1968-69 school year

**Laurence R. Jauch (1967)**

Director of Pickering House, Instructor  
in Education  
M. S. in Ed., Southern Illinois University

**Edward B. Jelks (1968)**

Professor of Anthropology  
Ph. D., University of Texas

**D. Reed Jensen (1966)**

Assistant Professor of Physiology  
Ph. D., Utah State University

**Jon K. Jepsen (1968)**

Instructor in Speech  
M. A., University of Illinois

**Keith J. Jepsen (1968)**

Assistant Director of Financial Aids, In-  
structor in Education  
M. S., Illinois State University

**Kenneth E. Jesse (1967)**

Assistant Professor of Physics  
Ph. D., Arizona State University

**Lois R. Jett (1962)**

Assistant Professor of Home Economics  
M. S., Southern Illinois University

**Charles F. Jobson (1968)**

Staff Physician in University Health  
Service  
M. D., University of London

**Milford C. Jochums (1948)**

Professor of English  
Ph. D., University of Illinois

**Blossom Johnson (1945)**

Acting Head of the Department of Home  
Economics, Professor of Home Eco-  
nomics  
Ed. D., University of Missouri

**Clayton R. Johnson (1968)**

Instructor in Speech  
M. S., Purdue University

**Eric H. Johnson (1958)**

Vice President of the University and  
Dean of Administrative Services, Pro-  
fessor of Educational Administration  
Ed. D., University of Illinois

**Eric S. Johnson (1968)**

Assistant Professor of Geography  
Ph. D., University of Kansas

**Genevieve A. Johnson (1968)**

Faculty Assistant of the Teaching of Ge-

ography in University High School  
B. S., Indiana State College

**Henry C. Johnson (1966)**

Assistant Professor of Education  
B. D., Nashotah House Theological Sem-  
inary, Nashotah, Wis.

**James J. Johnson (1966)**

Assistant Professor of Psychology  
Ph. D., Northwestern University

**Joanne M. Johnson (1968)**

Instructor in English  
M. A., Bowling Green State University

**Mata Marie Johnson (1967)**

Instructor and Assistant Librarian in  
Metcalf  
M. S. in L. S., University of Illinois

**Ronald W. Johnson (1965)**

Instructor in English  
M. A., Colorado State University

**John L. Johnston (1956)**

Professor of Industrial Technology  
Ed. D., University of Missouri  
Leave of absence 1st semester 1968-69

**Sandra S. Johnston (1966)**

Instructor of the Teaching of Mathe-  
matics in University High School  
M. S., Illinois State University

**Anita F. Jones (1962)**

Instructor and Supervising Teacher in  
Metcalf  
M. S. in Ed., Illinois State University

**Dorothy W. Jones (1968)**

Instructor and Supervising Teacher in  
Metcalf  
M. A., George Peabody College for  
Teachers

**H. Twyman Jones (1967)**

Assistant Professor of Education  
Ed. D., University of Missouri

**Margaret L. Jones (1956)**

Professor of Health and Physical Educa-  
tion for Women  
Ph. D., University of Wisconsin

**Mary A. Jones (1968)**

Instructor of the Teaching of Speech in  
University High School  
M. A., University of Illinois

**Paul H. Jones (1968)**

Supervisor of Off-campus Student Teach-  
ing and Assistant Professor of Edu-  
cation  
Adv. Cert., University of Illinois

- William W. Jones (1967)**  
Assistant Professor and Supervising  
Teacher of Science in Metcalf  
M. S. in Ed., Eastern Illinois University
- Patricia K. Jonietz (1967)**  
Instructor and Supervising Teacher of  
Speech in Metcalf  
A. M., University of Illinois
- Margaret Jorgensen (1949)**  
Assistant Professor of Psychology  
M. A., University of Denver
- Judith A. Judy (1968)**  
Director of Hamilton Hall, Instructor in  
Education  
M. S., Illinois State University
- Mary L. Jupp (1968)**  
Instructor of the Teaching of French in  
University High School  
A. M., University of Illinois
- Donald S. Kachur (1966)**  
Supervisor of Off-campus Student Teach-  
ing, Instructor in Education  
M. S. in Ed., Indiana University
- Richard W. Kacuper (1968)**  
Assistant Professor of History  
Ph. D., Princeton University
- Frederick D. Kagy (1965)**  
Associate Professor of Industrial Tech-  
nology  
Ed. D., University of Wyoming
- Bruce T. Kaiser (1956)**  
Director of the University Union, Exe-  
cutive Assistant  
B. S., Indiana University
- Jacqueline Q. Karch (1957)**  
Associate Professor of Home Economics  
Ed. D., Washington University
- Ila Karr (1952)**  
Assistant Librarian, Assistant Professor of  
Library Science  
M. A., University of Denver Library  
School
- Jo Ann Karr (1967)**  
Instructor and Reading Consultant in  
University High School  
M. S. in Ed., Illinois State University
- Alta Zbinden Kaufman (1968)**  
Instructor of the Teaching of Home Eco-  
nomics in University High School  
M. Ed., University of Illinois
- William O. Kauth (1968)**  
Assistant Professor of Health and Physi-  
cal Education for Men  
M. S., Indiana State University
- Benjamin J. Keeley (1952)**  
Adviser for Social Science Majors, Pro-  
fessor of Sociology  
Ph. D., University of Nebraska
- Helen I. Keeley (1964)**  
Faculty Assistant in Library Science and  
Assistant Librarian  
A. B., Nebraska Wesleyan University
- Janice G. Keeley (1967)**  
Faculty Assistant of the Teaching of  
Health and Physical Education in Uni-  
versity High School  
B. S., Bradley University
- George W. Keller (1968)**  
Assistant Director of Wright Hall, In-  
structor in Education  
M. A., Illinois State University
- Ellen D. Kelly (1957)**  
Professor of Health and Physical Educa-  
tion for Women  
Ph. D., State University of Iowa
- Marian E. Kelly (1964)**  
Assistant Professor and Supervising  
Teacher—Physical Therapist—Met-  
calf  
M. S. in Ed., Purdue University
- Benny B. Kemp (1963)**  
Assistant Professor of Music  
M. M., Indiana University
- Francis C. Kenel (1961)**  
Associate Professor of Industrial Tech-  
nology  
Ed. D., Michigan State University
- Kenneth C. Kennard (1968)**  
Head of the Department of Philosophy,  
Professor of Philosophy  
Ph. D., Northwestern University
- Larry D. Kennedy (1962)**  
Assistant Professor of Education  
M. A., Ball State University
- William N. Kennedy (1962)**  
Assistant Professor of Latin  
M. S. in Ed., Illinois State University  
Leave of absence 1968-69 school year
- Betty J. Keough (1955)**  
Associate Professor of Health and Physi-  
cal Education for Women  
Ph. D., State University of Iowa
- Sharon P. Kewish (1966)**  
Instructor in English  
M. A., Western Illinois University
- Tom D. Kilton (1967)**  
Instructor in German  
M. A., Tufts University

- Lawrence W. Kinney (1965)**  
Instructor in Music  
M. of Mus. Ed., Wichita State University
- Ronald A. Kinser (1967)**  
Instructor in English  
M. S., Illinois State University
- Harold S. Kipp (1968)**  
Assistant Librarian and Instructor in Library Science  
M. L. S., University of Pittsburgh
- Esther E. Kirchhoefer (1949)**  
Assistant Director for Evaluations, Assistant Professor of Education  
M. A., University of Chicago
- John H. Kirchner (1964)**  
Associate Professor of Psychology  
Ph. D., Northwestern University  
Leave of absence 2nd semester 1968-69
- John W. Kirk (1966)**  
Director of University Theatre, Associate Professor of Theatre  
Ph. D., University of Florida
- Kenneth T. Kistner (1967)**  
Instructor in Music  
M. S. in Ed., Illinois State University
- Franklin W. Knight (1968)**  
Faculty Assistant in Insurance  
B. S., University of Illinois
- Homer T. Knight (1957)**  
Professor of Education  
Ed. D., Teachers College, Columbia University
- Doris Z. Knoblock (1968)**  
Instructor in Art  
M. F. A., Ohio State University
- Keith P. Knoblock (1967)**  
Instructor in Art  
M. F. A., Ohio State University
- Alan N. Knofla (1963)**  
Instructor of the Teaching of Business Education in University High School  
M. S., Central Connecticut State College  
Leave of absence 1968-69 school year
- James V. Koch (1967)**  
Assistant Professor of Economics  
Ph. D., Northwestern University  
(Requirements completed; degree to be conferred in June, 1969)
- Robert W. Koehler (1961)**  
Assistant Professor of Health and Physical Education for Men  
Ed. D., University of Utah
- Olga M. Koenig (1968)**  
Assistant Professor of German  
M. A., Oklahoma University
- Harold F. Koepke (1934)**  
Professor of Management  
Ph. D., University of Iowa
- Frederick W. Kohlmeier (1964)**  
Associate Professor of History  
Ph. D., University of Minnesota
- Walter S. G. Kohn (1956)**  
Professor of Political Science  
Ph. D., New School for Social Research, New York, New York
- Philip C. Kolin (1968)**  
Instructor in English  
M. A., University of Chicago
- Joseph A. Kolupke (1964)**  
Instructor in English  
M. A., State University of Iowa
- Sharon K. Kosloske (1968)**  
Instructor in Music  
M. M., Northwestern University
- Joe W. Kraus (1966)**  
Director of Libraries, Professor of Library Science  
Ph. D., University of Illinois
- Mary E. Krilcic (1968)**  
Faculty Assistant and Supervising Teacher of Spanish in Metcalf  
B. A., Illinois State University
- Frederick P. Kroeger (1968)**  
Acting Director of Freshman English; Associate Professor of English  
Ph. D., University of Michigan
- Laurence D. Kruckman (1968)**  
Faculty Assistant in Geography  
B. S., Wisconsin State University
- Carlene P. Krueger (1968)**  
Instructor in Sociology  
M. S., University of Wisconsin
- Brigitta J. Kuhn (1961)**  
Professor of French  
Ph. D., Sorbonne, University of Paris
- Lowell J. Kuntz (1949)**  
Assistant Professor and Supervising Teacher of Music in Metcalf  
M. S. in Ed., Illinois State University
- Clarence H. Kurth (1951)**  
Associate Professor of Education  
Ed. D., Indiana University
- Norene R. Kurth (1953)**  
Assistant Professor of the Teaching of Business Education in University High School  
M. B. A., University of Chicago
- Michael E. Kurz (1968)**  
Assistant Professor of Chemistry  
Ph. D., Case Institute of Technology



**Ivan J. Lach (1967)**

Instructor and Supervising Teacher in  
Metcalf

M. A., Southern Illinois University

**Theodore W. Laetsch (1968)**

Assistant Professor of Mathematics  
Ph. D., California Institute of Tech-  
nology

**Douglas LaFauci (1968)**

Faculty Assistant in Industrial Tech-  
nology

B. S., Central Connecticut State College

**Ralph L. Lane (1968)**

Associate Professor of Speech  
Ph. D., Northwestern University

**Rowena V. Lane (1968)**

Faculty Assistant in Home Economics  
B. S., Manchester College

**J. Gregory Langan (1966)**

Visiting Lecturer in Special Education  
Ed. D., Indiana University

**Arthur H. Larsen (1935)**

Distinguished Professor of Higher Edu-  
cation, Consultant for Institutional  
Studies

Ph. D., University of Wisconsin

**- Alfred D. Larson (1961)**

Assistant Professor and Supervising  
Teacher of the Deaf and Hard of  
Hearing in Metcalf

M. Ed., University of Illinois

Leave of absence 1968-69 school year

**Cecilia J. Lauby (1949)**

Head of the Department of Professional  
Laboratory Experiences, Professor of  
Education

Ed. D., Indiana University

Leave of absence 1st semester 1968-69

**A. Luellen Laurenti (1963)**

Instructor in Spanish

M. A., University of Illinois

**Joseph L. Laurenti (1962)**

Professor of Spanish and Italian  
Ph. D., University of Missouri

**Parker L. Lawlis (1965)**

Assistant Director of the Bureau of Ap-  
pointments, Executive Assistant

M. S. in Ed., Illinois State University

**Sharon M. Lawlis (1967)**

Instructor in Home Economics  
M. Ed., University of Illinois

**Margaret Lawrence (1939)**

Assistant Librarian, Assistant Professor of  
Library Sciences

M. A., University of Nebraska

**Ronald L. Laymon (1965)**

Associate Professor of Elementary Edu-  
cation

Ed. D., Indiana University

**Dorothy E. Lee (1962)**

Assistant Professor of Sociology  
M. A., Northwestern University

**Lewis L. Legg (1957)**

Coordinator of Environmental Health  
and Safety, Executive Assistant

M. A. in Ed., University of Illinois

**William B. Legge (1957)**

Assistant Director of Metcalf Elementary  
School and Associate Professor and Su-  
pervising Teacher in the Junior High  
School

Ph. D., Southern Illinois University

**Kenneth L. Leicht (1967)**

Assistant Professor of Psychology  
Ph. D., Northwestern University

**Elmer A. Lemke (1965)**

Associate Professor of Psychology  
Ph. D., University of Wisconsin

**John C. Lere (1969)**

Faculty Assistant in Accounting  
B. S., University of Illinois; C. P. A.

**Leon Levine (1965)**

Assistant Professor of History  
M. A., Brandeis University

**Franklin G. Lewis (1967)**

Assistant Professor of Education  
Ed. D., North Texas State University

**Marjorie L. Lewis (1951)**

Assistant Professor of Psychology  
Ph. D., University of Illinois

**Anthony E. Liberta (1961)**

Professor of Mycology  
Ph. D., University of Illinois

**Elden A. Lichty (1945)**

In charge of Junior College Curriculum,  
Professor of Education

Ed. D., University of Missouri

**Lois Lilly (1957)**

Assistant Professor of Elementary Edu-  
cation

Adv. Cert. in Ed., University of Illinois

**William R. Linneman (1964)**

Associate Professor of English  
Ph. D., University of Illinois

**Harlan D. Litchfield (1969)**

Assistant Director, Undergraduate Ad-  
missions, Instructor in Education

M. A., Bradley University

- Richard K. Litherland (1963)**  
Instructor in Agriculture  
M. S., Southern Illinois University  
Leave of absence 1968-69 school year
- Harry A. Little (1964)**  
Associate Professor of Special Education  
Ed. D., Indiana University
- Nancy M. Little (1968)**  
Faculty Assistant and Supervising Teacher in Metcalf  
B. S. in Ed., Illinois State University
- David L. Livers, Jr. (1962)**  
Associate Professor of Education and Psychology  
Ph. D., State University of Iowa
- Edward A. Livingston (1968)**  
Assistant Professor of Music  
M. A., Western Michigan University
- Elwood London (1968)**  
Supervisor of Off-campus Student Teaching and Instructor in Education  
M. A., Michigan State University
- Harry D. Lovell (1946)**  
Director of University High School, Professor of Education  
Ed. D., University of Illinois
- Era A. Lown (1968)**  
Assistant Professor of Special Education  
Sp. in Ed., Stanford University
- Suzanne K. Lows (1968)**  
Instructor in Speech  
M. A., Southern Illinois University
- Marvin L. Luther (1966)**  
Associate Professor of Physics  
Ph. D., Virginia Polytechnic Institute
- Ronald J. Lutz (1967)**  
Assistant Professor of the Teaching of Industrial Technology in University High School  
Ed. M., University of Illinois
- Mary F. Lynn (1966)**  
Instructor of the Teaching of Business Education in University High School  
M. Ed., Kent State University
- G. Laurene Mabry (1960)**  
Associate Professor of Health and Physical Education for Women  
Ph. D., University of Iowa
- Michael Macesich (1962)**  
Assistant Professor of the Teaching of Chemistry in University High School  
M. S., Indiana State University
- Normand W. Madore (1961)**  
Associate Professor of Elementary Education  
Ed. D., Wayne State University  
Leave of absence 2nd semester 1968-69
- W. John Mallman (1967)**  
Instructor in Management  
M. S., Northern Illinois University
- Henry R. Manahan (1961)**  
Professor of Latin  
Ph. D., Northwestern University
- Jerry M. Manahan (1968)**  
Faculty Assistant in Agriculture  
B. S., Illinois State University
- John M. Manahan (1968)**  
Faculty Assistant of the Teaching of Health and Physical Education in University High School  
B. S. in Ed., Illinois State University
- Franklin R. Mander (1964)**  
Instructor in French and Spanish  
M. A., Illinois State University  
Leave of absence 1968-69 school year
- Darryl T. Manring (1962)**  
Assistant Professor and Supervising Teacher of Music in Metcalf  
M. M., University of Michigan
- Faye E. Mansfield (1941)**  
Assistant Professor and Supervising Teacher in Metcalf  
M. A., Teachers College, Columbia University
- J. Louis Martens (1947)**  
Professor of Botany  
Ph. D., Indiana University  
Leave of absence 1st semester 1968-69
- Blanca R. Martin (1968)**  
Faculty Assistant and Supervising Teacher of Spanish in Metcalf  
B. A., University of Puerto Rico
- Jose L. Martin (1968)**  
Associate Professor of Spanish  
Ph. D., Columbia University
- Robert E. Martin (1967)**  
Instructor of the Teaching of Special Education in University High School  
M. A., George Peabody College for Teachers
- Thomas B. Martin (1962)**  
Professor of Business Education  
Ed. D., Indiana University
- Olga A. Martinez (1966)**  
Instructor in Spanish  
M. A., University of Cordoba, Argentina

- Kenneth O. Marvin (1966)**  
Director of Wilkins Hall, Instructor in Education  
M. A., Kent State University
- Stanley S. Marzolf (1937)**  
Distinguished Professor of Psychology, Director of Counseling Services  
Ph. D., Ohio State University  
Leave of absence 1st semester 1968-69
- Richard N. Masteller (1968)**  
Instructor in English  
M. A., University of Virginia
- Larry E. Matejka (1965)**  
Assistant Director of Financial Aids, Instructor in Education  
M. A., Michigan State University
- Timothy W. Mather (1967)**  
Instructor in Art  
M. F. A., Ohio University
- Franklin G. Matsler (1968)**  
Executive Secretary for the Board of Regents, Professor of Higher Education  
Ph. D., University of California at Berkeley
- Eleanor F. Matthews (1968)**  
Assistant Librarian, Assistant Professor of Library Science  
M. S., University of Illinois
- Paul F. Mattingly (1962)**  
Associate Professor of Geography  
Ph. D., The Pennsylvania State University
- Inez L. Mauck (1951)**  
Assistant Professor and Supervising Teacher in Metcalf  
M. A., University of Illinois
- Roger A. May (1966)**  
Director of Manchester Hall, Instructor in Education  
M. S. in Ed., Indiana University
- Patricia C. McNally (1966)**  
Instructor and Supervising Teacher of the Deaf in Metcalf  
M. Ed., University of Illinois
- John F. McAteer (1968)**  
Supervisor of Off-campus Student Teaching and Instructor in Education  
M. A., Southern Illinois University
- Charles A. McBriarty, Jr. (1964)**  
Coordinator of Orientation Services, Assistant Professor of Education  
Ed. D., Indiana University
- Bernard J. McCarney (1958)**  
Associate Professor of Economics  
Ph. D., University of Pittsburgh
- John R. McCarthy (1966)**  
Director of Walker Hall, Instructor in History  
M. S., Illinois State University
- Willard J. McCarthy (1955)**  
Assistant Professor of Industrial Technology  
Ed. M., University of Illinois
- Charles T. McComas (1965)**  
Instructor of the Teaching of Russian in University High School  
M. A. T., Indiana University
- Clyde T. McCormick (1944)**  
Head of the Department of Mathematics, Professor of Mathematics  
Ph. D., Indiana University
- George F. McCoy, Jr. (1962)**  
Professor and School Psychologist in Metcalf  
Ph. D., University of Illinois
- Suella McCrimmon (1968)**  
Instructor and Supervising Teacher of the Blind in Metcalf  
M. A., George Peabody College for Teachers
- J. H. McGrath (1968)**  
Associate Professor of Educational Administration  
Ph. D., University of Iowa
- Elizabeth J. McGraw (1968)**  
Instructor in Music  
M. M., Northwestern University
- Martin E. McGuire (1967)**  
Assistant Professor of Anthropology  
M. A., Michigan State University
- Donald J. McHugh (1968)**  
Instructor in Business Education  
M. S. in Ed., Northern Illinois University
- Mary K. McKinney (1968)**  
Instructor in Sociology  
M. S., Illinois State University
- Raymond L. McKinty (1965)**  
Assistant Professor of the Teaching of Chemistry in University High School  
M. S., University of Illinois
- D. Grace McKone (1967)**  
Instructor in Home Economics  
M. S., Illinois State University
- Allan R. McNeill (1967)**  
Instructor in Geography  
M. A., Kent State University



**Kenard McPherson (1966)**

Instructor in Industrial Technology  
M. S., Illinois State University  
Leave of absence 1968-69 school year

**Waldo B. Mead (1967)**

Assistant Professor of Political Science  
Ph. D., Duke University

**Gary E. Mede (1968)**

Instructor in Finance  
M. S., University of Illinois

**John P. Mees (1968)**

Supervisor of Off-campus Student Teaching, Assistant Professor of Education  
Ed. D., Indiana University

**Donald E. Melican (1968)**

Instructor and Supervising Teacher of the Older Special Aid in Metcalf  
M. S. in Ed., Illinois State University

**Elsie L. Mendenhall (1966)**

Instructor in Business Education  
M. S., Illinois State University

**James H. Mendenhall (1967)**

Supervisor of Off-campus Student Teaching and Assistant Professor of Education  
Ed. D., Illinois State University

**William R. Mendenhall (1967)**

Director of Wright Hall, Instructor in Education  
M. S., Indiana State University

**Ella S. Mentzer (1965)**

Instructor in English  
M. S. in Ed., Illinois State University

**Loren W. Mentzer (1957)**

Professor of Botany  
Ph. D., University of Nebraska

**Arthur W. Merrick (1968)**

Professor of Physiology  
Ph. D., University of Missouri

**Joseph E. Metcalf (1964)**

Instructor in Industrial Technology  
M. S. in Ed., Illinois State University

**Robert L. Metcalf (1961)**

Director of University High School Athletics, Assistant Professor of the Teaching of Health and Physical Education in University High School  
M. Ed., University of Illinois

**Odessa H. Meyer (1965)**

Assistant Professor of Elementary Education  
Spec. in Ed., Illinois State University

**Ralph A. Meyering (1961)**

Professor of Education and Psychology  
Ph. D., State University of Iowa

**Rosalie A. Michalski (1966)**

Instructor in Health and Physical Education for Women  
M. A., State University of Iowa

**Earlynn J. Miller (1963)**

Instructor in Health and Physical Education for Women  
M. F. A., University of North Carolina at Greensboro

Leave of absence 1968-69 school year

**E. Joan Miller (1962)**

Associate Professor of Geography  
Ph. D., University of North Carolina

**Kenneth E. Miller (1967)**

Instructor of the Teaching of Social Science in University High School  
M. S., Illinois State University

**Murray Lincoln Miller (1950)**

Associate Professor of Education  
Ph. D., University of Pittsburgh

**S. Duncan Miller (1964)**

Assistant Professor of the Teaching of Music in University High School  
M. M., Eastman School of Music

**Wilma H. Miller (1968)**

Associate Professor of Education  
Ed. D., University of Arizona

**Frederick V. Mills (1968)**

Head of the Department of Art, Professor of Art  
Ed. D., Indiana University

**Joe B. Mitchell (1961)**

Assistant Librarian, Assistant Professor of Library Science  
M. A. in L. S., George Peabody College for Teachers

**Robert B. Mitchell (1968)**

Faculty Assistant in Industrial Technology  
B. S., Bradley University

**Robert V. Mitchell (1968)**

Dean of the College of Business, Professor of Business Administration  
Ph. D., University of Illinois

**Orrin J. Mizer (1947)**

Associate Professor and Supervising Teacher of Biological Sciences in Metcalf  
Ph. D., State University of Iowa

**Edward L. Mockford (1960)**

Professor of Entomology  
Ph. D., University of Illinois

**Barry E. Moore (1962)**

Assistant Professor of Art  
M. Ed., University of Pittsburgh

- Beverley J. Moore (1967)**  
Assistant Director of Colby Hall, Faculty  
Assistant in Education  
B. S., Western Illinois University
- Clarence L. Moore (1961)**  
Professor of Agriculture  
Ph. D., South Dakota State University
- Harold A. Moore (1947)**  
Assistant Professor of the Teaching of  
Biological Sciences in University High  
School  
M. S., University of Illinois
- Kathleen M. Moore (1968)**  
Instructor and Supervising Teacher of  
Art in Metcalf  
M. S., Illinois State University
- Mary K. Moore (1968)**  
Instructor and Supervising Teacher of  
the Trainable Mentally Handicapped  
in Metcalf  
M. S. in Ed., Illinois State University
- Robert H. Moore (1952)**  
Adviser of General Students, Professor of  
Education  
Ph. D., Ohio State University
- Royanna L. Moore (1968)**  
Faculty Assistant of the Teaching of Eng-  
lish in University High School  
B. A., Georgetown College
- Frank J. Morales (1964)**  
Assistant Professor and Supervising  
Teacher of Spanish  
M. A. T., Purdue University  
Leave of absence 1968-69 school year
- Phyllis S. Morales (1964)**  
Assistant Librarian, Instructor in Li-  
brary Science  
M. S. in Ed., Purdue University
- Marianne W. Moran (1966)**  
Instructor in English  
M. S. in Ed., St. Cloud State College
- Mark R. Moran (1966)**  
Associate Professor of Social Work in  
the Department of Sociology-Anthro-  
pology  
Ph. D., The Ohio State University
- Kenneth O. Moreland (1964)**  
Supervisor of Off-campus Student Teach-  
ing and Assistant Professor of Edu-  
cation  
Adv. Cert. in Ed., University of Illinois
- Charles E. Morris (1966)**  
Associate Professor of Mathematics  
Ph. D., University of Illinois
- Jeanne B. Morris (1967)**  
Instructor in Elementary Education  
M. Ed., University of Illinois
- Joyce L. Morton (1966)**  
Instructor in Health and Physical Edu-  
cation for Women  
M. Ed., Colorado State University
- Sandra S. Mull (1968)**  
Instructor and Supervising Teacher of  
Girls' Physical Education in Metcalf  
M. A., George Peabody College for  
Teachers
- Jess S. Mullen (1964)**  
Assistant Librarian, Instructor in Li-  
brary Science  
M. S., University of Illinois
- Samuel J. Mungo (1968)**  
Assistant Professor of Education  
M. S., Hofstra University, New York
- Robert V. Murley (1967)**  
Assistant Dean of Students, Assistant Pro-  
fessor of Education  
Ed. D., Indiana University  
(Requirements completed; degree to be  
conferred June, 1969)
- Stanley A. Murrell (1968)**  
Assistant Professor of Psychology  
Ph. D., University of Kansas
- Bettye J. Myer (1968)**  
Instructor in French  
M. A., University of Oregon
- Leonard D. Myers (1966)**  
Instructor in Mathematics  
M. S., Illinois State University
- Vesta T. Myrick (1960)**  
Assistant Director of Hamilton Hall,  
Faculty Assistant in Education  
A. B., Florida Southern College
- Mathew J. Nadakavukaren (1964)**  
Associate Professor of Botany and Elec-  
tron Microscopy  
Ph. D., Oregon State University
- Helen M. Nance (1954)**  
Professor of Elementary Education  
Ph. D., Ohio State University  
Leave of absence 2nd semester 1968-69
- Joseph M. Natale (1956)**  
Assistant Professor of Art  
M. S., Indiana State Teachers College  
Leave of absence 2nd semester 1968-69
- Mary E. Natale (1963)**  
Instructor and Supervising Teacher in  
Metcalf  
M. S. in Ed., Illinois State University

- Darrell A. Neaveill (1968)**  
Instructor in Speech  
M. A., Indiana University
- James L. Nelson (1967)**  
Assistant Professor of Mathematics  
Ph. D., University of Missouri
- Jean E. Nelson (1962)**  
Assistant Librarian and Assistant Professor of Library Science  
A. M., University of Illinois
- Paula H. Nelson (1967)**  
Instructor in Music  
A. M., University of Missouri
- Richard L. Newby (1958)**  
Assistant Professor of English  
M. A., Southern Illinois University  
Leave of absence 1968-69 school year
- Katherine L. Nicholas (1964)**  
Director of Hewett Hall, Instructor in Education  
Adv. Cert., University of Illinois
- Samuel R. Nicholls (1966)**  
Instructor and Supervising Teacher of Music in Metcalf  
M. S., University of Wisconsin
- Beverly A. Nichols (1961)**  
Assistant Professor and Supervising Teacher of Health and Physical Education in Metcalf  
M. S., MacMurray College
- Edwin E. Niemi (1958)**  
Associate Professor of Art  
M. S., University of Wisconsin
- Douglas A. Nietzke (1963)**  
Assistant Professor of English  
M. A., University of Michigan  
Leave of absence 1968-69 school year
- Richard L. Nimz (1965)**  
Director of a Residence Hall, Instructor in Education  
M. Ed., University of Illinois  
Leave of absence 1968-69 school year
- Gerald L. Norris (1967)**  
Instructor of the Teaching of Art in University High School  
M. S. in Ed., Eastern Illinois University
- Maurice E. Norris (1968)**  
Assistant Professor of Speech  
M. S., Southern Illinois University
- Frederick R. Noyes (1968)**  
Instructor and Supervising Teacher of Industrial Technology in Metcalf  
M. S. in Ed., State University College at Buffalo
- Kenneth H. Ober (1962)**  
Assistant Professor of Russian  
A. M., Indiana University
- Burton L. O'Connor (1937)**  
Professor of Health and Physical Education for Men  
Ed. D., The Pennsylvania State University
- Hazel E. O'Connor (1967)**  
Instructor in English  
A. M., State University of South Dakota
- Phares G. O'Daffer (1968)**  
Associate Professor of Mathematics  
Ph. D., University of Illinois
- Carroll J. Oien (1966)**  
Faculty Assistant in Accounting  
B. A., Carleton College; C. D. P.
- Walter P. Oldendorf (1967)**  
Instructor and Supervising Teacher in Metcalf  
M. A., Northwestern University
- Peter P. Olevnik (1968)**  
Assistant Librarian, Assistant Professor of Library Science  
M. A. in L. S., Rosary College
- Ernest E. Olson (1955)**  
Associate Director of Metcalf, Assistant Professor  
M. A., Northwestern University
- William J. O'Neill (1966)**  
Instructor in Health and Physical Education for Men  
M. S., Illinois State University
- Robert L. Oppelt (1968)**  
Professor of Music  
A. Mus. D., University of Rochester
- Alice L. Ottinger (1966)**  
Instructor in Art  
M. S., Illinois Institute of Technology
- Virginia S. Owen (1964)**  
Assistant Professor of Economics  
Ph. D., University of Illinois
- V. Arthur Owles (1967)**  
Faculty Assistant in Mathematics  
M. S., Illinois State University
- Mary M. Packwood (1961)**  
Assistant Professor of Art  
Ed. M., University of Missouri
- James B. Palmer (1966)**  
Assistant Professor of Elementary Education  
Ed. D., North Texas State University



**Virginia A. Palmer (1966)**

Assistant Dean of Students, Associate  
Professor of Education  
Ed. D., Teachers College, Columbia  
University

**Mariejean C. Pankonin (1966)**

Instructor in Health and Physical Edu-  
cation for Women  
M. S., University of North Carolina at  
Greensboro

**David J. Parent (1968)**

Associate Professor of German  
Ph. D., University of Cincinnati

**Donald R. Parker (1950)**

Assistant Professor and Inspector of Food  
Sanitation and Laboratory Techni-  
cian, University Health Service  
M. P. H., Tulane University

**Kelvin M. Parker (1967)**

Associate Professor of Spanish  
Ph. D., University of Chicago

**Louise O. Parker (1950)**

Assistant Professor and Nurse in Metcalf  
M. P. H., University of Michigan

**Peter A. Parmantie (1961)**

Assistant Professor of the Teaching of  
English in University High School  
M. S. in Ed., Illinois State University

**Margaret Parret (1946)**

Assistant Professor of Speech  
M. A., Teachers College, Columbia Uni-  
versity

**James E. Patterson (1957)**

Professor of Geography  
Ph. D., University of Illinois  
Leave of absence 1968-69 school year

**Paul M. Paulson (1966)**

Instructor in Industrial Technology  
M. S., Stout State University

**G. Benjamin Paxton, Jr. (1965)**

Assistant Professor of Radio-Television-  
Film  
M. A., University of Tennessee

**Edwin A. Payne (1952)**

Assistant Professor of Psychology  
M. Ed., University of Missouri  
Leave of absence 1968-69 school year

**Harlan W. Peithman (1937)**

Professor of Music  
Ed. D., Teachers College, Columbia  
University

**Charles W. Pendleton (1966)**

Instructor in Industrial Technology  
M. S. in Ed., Illinois State University

**Dale F. Perona (1968)**

Instructor in Mathematics  
M. S., Illinois State University

**Ralph M. Perry (1967)**

Associate Professor of French  
Ph. D., University of Illinois

**Warren S. Perry (1955)**

Head of the Department of Business Ed-  
ucation, Associate Professor of Busi-  
ness Education  
Ed. D., University of Colorado

**Alan H. Peters (1967)**

Assistant Professor of Music  
D. M. A., University of Iowa

**Don L. Peterson (1964)**

Instructor in Music  
M. S., University of Wisconsin

**George A. Petrossian (1963)**

Assistant Professor of French  
A. M., University of Michigan  
Leave of absence 2nd semester 1968-69

**Barbara R. Pettit (1965)**

Instructor and Supervising Teacher of  
the Neurologically Impaired in Met-  
calf  
M. S. in Ed., Illinois State University

**Maria Pfabel (1961)**

Assistant Librarian, Faculty Assistant in  
Library Science  
Englisches Institut, Augsburg; Hungar-  
ian Academy, Passau

**Wolfgang Pfabel, Jr. (1961)**

Assistant Professor of German  
M. A., Case Western Reserve University

**Helen C. Pfeltz (1967)**

Instructor in Education  
M. A., West Virginia University

**Harold R. Phelps (1958)**

Head of the Department of Special Edu-  
cation, Professor of Special Education  
Ph. D., Ohio State University  
Leave of absence 1st semester 1968-69

**Coen G. Pierson (1966)**

Professor of History  
Ph. D., University of Wisconsin

**L. Louese M. Pilch (1962)**

Instructor of the Teaching of English in  
University High School  
M. A., University of Illinois

**Kenneth G. Pinzke (1968)**

Faculty Assistant in Geography  
B. S. in Ed., Illinois State University

**David D. Pittman (1966)**

Associate Professor of Microbiology

- Ph. D., Southern Illinois University  
Leave of absence 1968-69 school year
- Carolyn R. Planck (1967)**  
Instructor in Speech  
M. A., Purdue University
- Gary R. Planck (1965)**  
Instructor in Speech  
M. S., University of Wisconsin
- Mark A. Plummer (1960)**  
Professor of History  
Ph. D., University of Kansas  
Leave of absence 1st semester 1968-69
- Olbert Pocs (1960)**  
Assistant Professor of Sociology  
M. A., University of Illinois
- Douglas Poe (1959)**  
Professor of Economics  
Ph. D., Indiana University
- Vernon C. Pohlmann (1955)**  
Head of the Department of Sociology-  
Anthropology, Professor of Sociology  
Ph. D., Washington University
- Lee R. Polk (1968)**  
Assistant Professor of Speech  
Ph. D., Purdue University
- Charles B. Porter (1961)**  
Dean of the College of Applied Science  
and Technology, Professor of Industrial  
Technology  
Ed. D., University of Illinois
- David G. Poultney (1968)**  
Assistant Professor of Music  
Ph. D., University of Michigan
- Lonn A. Pressnall (1967)**  
Instructor in Speech  
A. M., University of Illinois
- Samuel T. Price (1968)**  
Associate Professor of Special Education  
Ed. D., University of Pittsburgh  
(Requirements completed; degree to be  
conferred in March, 1969)
- William C. Prigge (1963)**  
Coordinator of Audiovisual Programs,  
Associate Professor of Education  
Ed. D., Indiana University
- Calvin L. Pritner (1966)**  
Associate Professor of Theatre  
Ph. D., University of Illinois
- Perry M. Proctor (1963)**  
Assistant Professor of English  
M. A., Southern Illinois University
- George A. Pruitt (1968)**  
Faculty Assistant to the Dean of Faculties  
B. S., Illinois State University
- Frank S. Pyke (1968)**  
Assistant Professor of Health and Physical  
Education for Men  
M. Ed., University of Western Australia
- W. Laurance Quane (1967)**  
Instructor in Industrial Technology  
M. A., Michigan State University
- Warren P. Quensel (1964)**  
Assistant Professor of the Teaching of  
Industrial Technology in University  
High School  
M. S. in Ed., Illinois State University  
Leave of absence 2nd semester 1968-69
- Erich F. Radtke (1966)**  
Instructor in English  
M. A., University of Missouri
- Gary C. Ramseyer (1965)**  
Associate Professor of Psychology and  
Education  
Ph. D., University of Iowa
- Taimi M. Ranta (1959)**  
Professor of English  
Ph. D., University of Minnesota  
Leave of absence 1968-69 school year
- Arthur J. Rauch (1968)**  
Assistant Director of Wilkins Hall, In-  
structor in Education  
M. Ed., University of Illinois
- Jo Ann Rayfield (1966)**  
Assistant Professor of History  
M. A., Vanderbilt University
- Robert M. Reardon (1967)**  
Adjunct Professor of Biology  
M. D., The State University of New York  
Downstate Medical Center at Brooklyn
- H. Earle Reese (1958)**  
Acting Head of the Department of Busi-  
ness Administration, Professor of In-  
surance  
Ed. D., George Peabody College for  
Teachers; C. L. U.; C. P. C. U.
- Earl A. Reitan (1954)**  
Professor of History  
Ph. D., University of Illinois
- Richard C. Reiter (1964)**  
Academic Assistant Director of Com-  
puter Services, Associate Professor of  
Chemistry  
Ph. D., Purdue University
- Max R. Rennels (1968)**  
Assistant Professor of Art  
Ed. D., Indiana University
- Stanley W. Renner (1968)**  
Assistant Professor of English  
B. A., University of Iowa

- Vernon L. Replogle (1950)**  
Director of Metcalf Elementary School,  
Professor of Education  
Ed. D., University of Illinois
- Russell F. Retterer (1968)**  
Lecturer in Special Education  
M. Ed., University of Illinois
- Kenneth A. Retzer (1959)**  
Associate Professor of Mathematics  
Ph. D., University of Illinois
- Evelyn J. Rex (1958)**  
Assistant Professor of Special Education  
M. A., Northwestern University
- Dent M. Rhodes (1965)**  
Associate Professor of Education  
Ph. D., Ohio State University
- E. Ione Rhymer (1954)**  
Professor of Bacteriology  
Ph. D., University of Illinois
- John H. Rich (1964)**  
Associate Professor of Accounting  
Ed. D., Indiana University
- Doris M. Richards (1951)**  
Assistant Professor of Speech Pathology  
M. S., University of Michigan
- Jay W. Richardson (1968)**  
Administrative Assistant to the Dean of  
the College of Applied Science and  
Technology, Executive Assistant  
M. S., Illinois State University
- George S. Richmond (1967)**  
Supervisor of Off-campus Student Teaching  
and Instructor in Education  
M. S., Millikin University
- Mary A. Richmond (1962)**  
Assistant Professor and Assistant Librarian  
in Metcalf  
M. S. in L. S., University of Illinois
- R. Omar Rilett (1958)**  
Head of the Department of Biological  
Sciences, Professor of Biological Sciences  
Ph. D., University of Wisconsin
- Stanley G. Rives (1958)**  
Acting Assistant Dean of the College of  
Arts and Sciences, Professor of Speech  
Ph. D., Northwestern University
- Frederick J. Roberts (1968)**  
Assistant Professor of Political Science  
Ph. D., Princeton University
- Hibbert R. Roberts (1968)**  
Associate Professor of Political Science  
Ph. D., University of Washington
- James L. Roderick (1956)**  
Associate Professor of Music  
Ed. D., University of Illinois
- Joel E. Rodgers (1968)**  
Instructor in Management  
M. B. A., University of Kentucky
- Jose A. Rodriguez (1961)**  
Associate Professor of Spanish  
Ph. D., Universidad de la Habana, La  
Habana, Cuba
- Paul E. Rosene (1967)**  
Instructor in Music  
M. S. in Ed., Illinois State University
- Robert L. Roussey (1967)**  
Assistant Professor of French  
A. M., University of Illinois
- James E. Rowe (1959)**  
Assistant Professor of Mathematics  
M. S., University of Illinois
- Mary A. Rozum (1950)**  
Assistant Professor and Supervising  
Teacher in Metcalf  
M. S. in Ed., University of Illinois
- Donald D. Ruby (1966)**  
Faculty Assistant in Industrial Technology  
A. B., Colorado State College
- Robert E. Rumery (1964)**  
Assistant Professor of Psychology  
M. A., George Peabody College for  
Teachers
- Elizabeth Russell (1935)**  
Assistant Professor of Elementary Education  
M. A., Teachers College, Columbia University
- L. Eloise Russell (1964)**  
Faculty Assistant in Health and Physical  
Education for Women  
B. S. in P. Ed., University of Alabama
- Thomas L. Ruud (1962)**  
Administrative Assistant to the Vice  
President of the University and Dean  
of Administrative Services, Executive  
Assistant  
M. S., University of Wisconsin
- Bernard L. Ryder (1956)**  
Head of the Department of Chemistry,  
Professor of Chemistry  
Ph. D., University of Illinois
- Howard H. Rye (1957)**  
Professor of Music  
Ed. D., Teachers College, Columbia  
University



**Jean A. Sabatine (1967)**

Instructor in Health and Physical Education for Women  
M. S., University of Utah

**Irving W. Salowitz (1958)**

Director of the University Health Service, Professor  
M. D., Chicago Medical School

**Herbert C. Sanders (1949)**

Assistant Professor of Music  
M. M., Northwestern University

**Theodore Sands (1950)**

Associate Dean of Faculties for Special Programs, Professor of History  
Ph. D., University of Wisconsin

**Mohammed M. Sayeed (1964)**

Assistant Professor of Physiology  
Ph. D., University of Miami

**Edward L. Schapsmeier (1966)**

Associate Professor of History  
Ph. D., University of Southern California

**Jean Scharfenberg (1966)**

Associate Professor of Theatre  
Ph. D., University of Wisconsin

**Else A. Schmidt (1958)**

Professor of Geography  
Ph. D., University of Munich, Germany  
Leave of absence 2nd semester 1968-69

**Paul R. Schmidt (1966)**

Instructor of the Teaching of Latin and Spanish in University High School  
M. A., Illinois State University

**Raymond L. Schmitt (1968)**

Associate Professor of Sociology  
Ph. D., University of Iowa

**Virginia Schnepf (1967)**

Associate Professor of Elementary Education  
D. Ed., University of Illinois

**Ellen L. Schramm (1968)**

Instructor in Music  
M. S., University of Illinois

**Luella E. Schultze (1958)**

Assistant Professor and Supervising Teacher in Metcalf  
A. M., Colorado State College

**Nona L. Schurman (1968)**

Lecturer in Health and Physical Education for Women  
McGill University; McGill Conservatory of Music

**Christ F. Schwelle (1968)**

Assistant Director of Walker Hall, Instructor in Education  
M. S. in Ed., Eastern Illinois University

**Jimmy D. Scott (1957)**

Assistant Professor of the Teaching of Health and Physical Education in University High School  
Ed. D., University of Missouri

**Keith L. Scott (1960)**

Associate Dean of Administrative Services, Associate Professor of Educational Administration  
Ed. D., University of Colorado

**Phebe M. Scott (1966)**

Head of the Department of Health and Physical Education for Women, Professor of Health and Physical Education for Women  
Ph. D., State University of Iowa

**John Sealock (1951)**

Assistant to the President for Budgeting, Executive Assistant  
Eureka College, Illinois State University

**Thomas K. Searight (1959)**

Associate Professor of Geology  
Ph. D., University of Illinois

**Thomas G. Secoy (1968)**

Associate Professor of Accounting  
Ph. D., University of Illinois; C. P. A.

**Edwin A. Self (1968)**

Instructor in History  
M. A., University of Illinois

**Mary C. Serra (1951)**

Director of Reading Laboratory, Professor of Special Education  
Ed. D., Temple University

**Kyle C. Sessions (1967)**

Associate Professor of History  
Ph. D., The Ohio State University

**Carole R. Setchell (1968)**

Faculty Assistant and Nurse in Metcalf and University High School  
B. S., Illinois Wesleyan University

**Kenneth D. Shaffer (1968)**

Instructor in Art  
M. S., Illinois State University

**Harry B. Shaw (1967)**

Assistant to the Director of Research Services and Grants, Executive Assistant  
M. S. in Ed., Illinois State University

**Katherine V. Shaw (1968)**

Instructor and Assistant Librarian in University High School  
M. S., Western Michigan University

**Kenneth A. Shaw (1966)**

Assistant to the President, Assistant Professor of Education  
Ph. D., Purdue University

**Jerome P. Shea (1966)**

Instructor in English  
M. A., Colorado State University

**Vicki M. Shea (1968)**

Instructor of the Teaching of Foreign Languages in University High School  
M. A., Illinois State University

**David R. Sheaffer (1967)**

Instructor in Music  
M. Mus., Indiana University

**Michael B. Shelly (1965)**

Instructor in English  
M. S., University of Illinois

**Joseph R. Shepler (1966)**

Instructor in Art  
M. F. A., Cranbrook Academy of Art, Bloomfield Hills, Michigan

**Robert C. Shermer (1967)**

Assistant Professor of Speech  
M. A., Northwestern University

**Alice Sheveland (1942)**

Assistant Professor and Supervising Teacher in Metcalf  
M. A. in Ed., Northwestern University

**Thomas W. Shilgalis (1967)**

Instructor in Mathematics  
A. M., University of Illinois

**Tai S. Shin (1968)**

Assistant Professor of Finance  
M. A., University of Illinois

**Murray M. Short (1964)**

Assistant Professor and Supervising Teacher in Metcalf  
M. A., George Peabody College for Teachers

**Stanley B. Shuman (1960)**

Acting Dean of the College of Arts and Sciences, Professor of Geography  
Ph. D., University of Illinois

**Herbert C. Sieg (1966)**

Instructor in Accounting  
M. A. S., University of Illinois

**L. Moody Simms, Jr. (1967)**

Assistant Professor of History  
Ph. D., University of Virginia

**Phyllis D. Simpson (1959)**

Assistant Director of Hewett Hall, Faculty Assistant in Education  
Tulsa University; University of Oklahoma

**Robert N. Singer (1965)**

Associate Professor of Health and Physical Education for Men  
Ph. D., Ohio State University

**Arnold A. Slan (1967)**

Assistant Professor of Elementary Education  
Ed. D., Indiana University

**Dixie L. Smith (1968)**

Faculty Assistant and Guidance Counselor in University High School  
B. S., Illinois State University

**Edwin B. Smith (1965)**

Dean of Students, Assistant Professor of Psychology  
Ph. D., Kent State University

**Gwen K. Smith (1946)**

Professor of Health and Physical Education for Women  
Ph. D., University of Iowa

**Lucille D. Smith (1968)**

Instructor from the Office of the Dean of Faculties  
M. A., Illinois State University

**Nelson Smith (1946)**

Director of Photographic Services, Assistant Professor of Education  
M. S. in Ed., Illinois State University

**Ralph L. Smith (1959)**

Director of Radio and Television, Professor of Radio-Television-Film  
Ph. D., University of Wisconsin

**Robert R. Smith (1966)**

Assistant Professor of Marketing  
M. S., Illinois State University

**Judith J. Smithson (1967)**

Instructor in Special Education  
M. S. in Ed., Southern Illinois University

**M. David Snyder (1968)**

Assistant Director for Records, Instructor in Business Administration  
M. S., Southern Illinois University

**George A. Soderberg (1959)**

Professor of Speech Pathology  
Ph. D., Ohio State University  
Leave of absence 1968-69 school year

**Linda M. Sorrells (1965)**

Instructor in Health and Physical Education for Women  
M. S., University of Illinois

**Raymond E. Spakowski (1968)**

Instructor in English  
M. S., Illinois State University

**Irwin Spector (1948)**

Professor of Music  
Ph. D., New York University  
Leave of absence 1968-69 school year

**Eunice H. Speer (1944)**

Assistant Professor of Library Science  
M. S., University of Illinois

**Christopher Spencer (1962)**

Professor of English  
Ph. D., Yale University

**Carl W. Spurlock (1967)**

Instructor in Geography  
M. A., University of Kentucky

**Norma T. Spurlock (1967)**

Acting Director of Fell Hall, Faculty  
Assistant in Education  
B. S. in Ed., University of Oklahoma

**Michael T. Stack (1967)**

Instructor in Art  
M. F. A., University of Florida

**William C. Starrett (1961)**

Research Associate of Aquatic Biology  
Ph. D., Iowa State University

**Roger R. Staubus (1969)**

Faculty Assistant in Accounting  
B. S., Illinois State University; C. P. A.

**J. Russell Steele (1947)**

Assistant Director, News and Publications Service, Assistant Professor of Health and Physical Education for Men  
M. S. in Ed., Illinois State University

**E. Robert Stefl (1966)**

Assistant Professor of Art  
M. S., Southern Illinois University

**Ethel G. Stein (1944)**

Assistant Professor and Supervising Teacher in Metcalf  
M. A., Northwestern University

**C. Louis Steinburg (1959)**

Assistant Professor of Art  
M. S. in Ed., Southern Illinois University

**Robert H. Steinkellner (1968)**

Associate Professor of Elementary Education  
Ed. D., University of Missouri

**Myrna L. Stephens (1968)**

Instructor in Health and Physical Education for Women  
M. S. P. E., University of North Carolina at Greensboro

**S. Joann Stephens (1964)**

Instructor in Special Education  
M. S. in Spec. Ed., University of Tennessee

**Alma Stoddard (1961)**

Assistant Professor of Health and Physical Education for Women  
M. P. E., University of Nebraska

**C. Edward Streeter (1967)**

Associate Professor of Education  
Ph. D., Michigan State University

**Gerald M. Streeter (1968)**

Instructor in Industrial Technology  
M. S., Illinois State University

**James B. Stroud (1967)**

Professor of Special Education and Psychology  
Ph. D., University of Chicago

**Shiloh L. Strouse (1967)**

Faculty Assistant in Accounting  
B. S. in Ed., Illinois State University, C. P. A.

**Emily J. Struglinski (1968)**

Instructor and Supervising Teacher of Art in Metcalf  
M. A., University of Illinois

**Conrad B. Suits (1962)**

Associate Professor of English  
Ph. D., University of Chicago

**Helen S. Suits (1969)**

Instructor in English  
M. of Ed., Wayne State University

**Robert D. Sutherland (1964)**

Associate Professor of English  
Ph. D., State University of Iowa

**John W. Swanson (1968)**

Visiting Professor of Speech  
M. A., Northwestern University

**David E. Sweet (1960)**

Assistant to the Dean of Faculties and Executive Vice President of the University Foundation, Associate Professor of Political Science  
Ph. D., Duke University

**Joe E. Talkington (1962)**

Associate Professor of Industrial Technology  
Ed. D., Colorado State College

**J. Curtis Tannahill (1964)**

Instructor in Audiology  
M. A., University of Nebraska

**Frederick J. Tarr (1967)**

Instructor in Art  
M. A., University of Iowa

**Patrick Tarrant (1963)**

Professor of French  
Ed. D., Teachers College, Columbia University



**Lucy L. Tasher (1935)**

Professor of History  
Ph. D., University of Chicago

**Vivian Tasker (1960)**

Assistant Professor of Special Education  
M. A., Northwestern University

**Robert A. Tatgenhorst (1968)**

Instructor of the Teaching of Social Science in University High School  
M. S. in Ed., Northern Illinois University

**Glenn J. Taylor (1950)**

Professor of Audiology  
Ph. D., University of Southern California

**L. Rogers Taylor (1969)**

Assistant Professor of Psychology  
Ph. D., Purdue University

**Max A. Taylor (1968)**

Assistant Professor of Chemistry  
Ph. D., Massachusetts Institute of Technology

**Tse-Kia Tcheng (1968)**

Research Consultant in Computer Services, Assistant Professor of Health and Physical Education for Men  
M. A., University of Iowa

**Donald F. Templeton (1950)**

Assistant to the Dean of Faculties, Assistant Professor of English  
M. A., University of Iowa

**Isabelle Terrill (1949)**

Director of Housing, Associate Professor of Music  
D. Ed., Teachers College, Columbia University

**Manhar P. Thakore (1968)**

Assistant Librarian, Assistant Professor of Library Science  
M. S., University of Illinois

**Clayton F. Thomas (1964)**

Associate Professor of Educational Administration  
Ph. D., University of Iowa

**M. Robert Thomas (1965)**

Instructor in English  
M. S. in Ed., Western Illinois University

**Nancy B. Thomley (1967)**

Instructor and Supervising Teacher of Speech in Metcalf  
M. S., Illinois State University

**James T. Thompson (1966)**

Assistant Professor of Agriculture  
Ph. D., University of Kentucky

**Herman R. Tiedeman (1946)**

Director of Test Service, Professor of Psychology  
Ph. D., University of Iowa

**Kirby Todd (1964)**

Instructor in Health and Physical Education for Women  
M. A., Teachers College, Columbia University

**Jim N. Tone (1963)**

Associate Professor of Physiology and Anatomy  
Ph. D., Iowa State University

**Mary C. Towle (1961)**

Director of Dunn Hall, Instructor in Education  
M. A., Teachers College, Columbia University

**Naomi W. Towner (1965)**

Assistant Professor of Art  
M. F. A., Rochester Institute of Technology

**Robert B. Townsend (1967)**

Assistant Librarian, Assistant Professor of Library Science  
M. S., University of Illinois

**Guy T. Trail (1968)**

Assistant Professor of French  
A. M., University of Illinois

**John E. Trotter (1956)**

Head of the Department of Geography-Geology, Professor of Geography  
Ph. D., University of Chicago

**James L. Trudeau (1969)**

Faculty Assistant in Mathematics  
B. S., Illinois State University

**Wayne O. Truex (1957)**

Associate Professor of Health and Physical Education for Men  
Ed. D., University of Utah

**Joseph C. Tsang (1968)**

Assistant Professor of Chemistry  
Ph. D., University of Oklahoma

**Raymond W. Tudor (1948)**

Assistant Professor of English  
M. A., University of Michigan

**Lesta V. Turchen (1969)**

Faculty Assistant in Speech  
A. B., State University of South Dakota

**Michael A. Turchen (1968)**

Instructor in Speech  
M. A., State University of South Dakota

- Robert T. Tussing (1968)**  
Associate Professor of Accounting  
Ph. D., The University of Texas; C. P. A.
- Geraldine A. Twining (1968)**  
Instructor in Elementary Education  
M. S. in Ed., Illinois State University
- Sadie B. Udstuen (1950)**  
Assistant Professor and Supervising  
Teacher in Metcalf  
M. A., Northwestern University
- David B. Valley (1969)**  
Instructor in Speech  
M. S., Illinois State University
- Arden L. Vance (1949)**  
Assistant Professor of Music  
M. M., Northwestern University
- Edna R. Vanderbeck (1966)**  
Instructor in Health and Physical Edu-  
cation for Women  
M. S., Illinois State University
- Steven W. Vargo (1965)**  
Assistant Professor of Audiology  
Ph. D., Indiana University
- Wilbur R. Venerable (1963)**  
Dean of Admissions and Records, As-  
sociate Professor of Education  
Ph. D., Southern Illinois University
- Joel G. Verner (1967)**  
Assistant Professor of Political Science  
M. A., University of Kansas
- Walter M. Vernon (1963)**  
Associate Professor of Psychology  
Ph. D., Washington University
- Dale B. Vetter (1941)**  
Professor of English  
Ph. D., Northwestern University
- Sarah A. Vickary (1967)**  
Director of Atkin Hall, Instructor in  
Education  
M. S., State University of New York at  
Albany
- Rodolfo E. Vilaro (1966)**  
Instructor of the Teaching of Spanish in  
University High School  
M. A., University of Illinois
- Virginia H. Vint (1967)**  
Associate Professor of Art  
Ed. D., Stanford University
- Paul D. Von Holtz (1968)**  
Instructor in Industrial Technology  
M. A., Trenton State College
- Helen J. Vukanovich (1968)**  
Assistant Professor of Russian  
Ph. D., New York University
- Francis M. Wade (1947)**  
Assistant Librarian, Assistant Professor of  
Library Science  
M. A., University of Washington
- Miriam Wagenschein (1967)**  
Associate Dean of Student Services, Pro-  
fessor of Education  
Ed. D., Stanford University
- Donald F. Wagner (1968)**  
Assistant Professor of Agriculture  
Ph. D., Iowa State University
- Jack H. Wagner (1965)**  
Instructor in German  
M. A., University of Colorado
- Elizabeth S. Wahls (1967)**  
Instructor in Home Economics  
M. S., Illinois State University
- Morton D. Waimon (1961)**  
Professor of Education  
Ed. D., Teachers College, Columbia  
University
- Joseph E. Wallace (1966)**  
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## *For More Information . . .*

### **About Admission (including Transfers), write:**

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Dean of Faculties  
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